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STATE OF COLORADO



COMBINED
ANNUAL REPORTS

1947-1948-1949

COAL MINE INSPECTION DEPARTMENT

STATE OF COLORADO



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ANNUAL REPORTS

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LETTER OF TRANSMITTAL

May 16, 1960

Honorable Steve McNichols
Governor of Colorado

Sir:

At this time I submit to you the combined and revised Annual Reports of this department in printed form, for the years 1947, 1948 and 1949, which were annually issued by April 1 as required by law. The mimeographed reports were in the interest of economy.

These permanent records will only be placed in reference libraries and the State Archives, unless requested.

Respectfully,

THOMAS ALLEN
Chief Inspector of Coal Mines



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INTRODUCTORY REVIEW

The years of 1947, 1948 and 1949 continue to show a decrease in production over the previous years, which reduced the income of this department to the uncertainty of meeting the necessary expenses of maintenance and operation.

Dependent upon the collection of license fees and a four-mill tonnage tax to meet the entire expenses of the department, it is to be noted that there has been no increase in mill levy since 1925, despite the rising costs of operation.

During these years there were only two full-time office employees, temporary or part-time stenographers being employed as necessary and funds available. The Monthly Safety Circular and educational material were discontinued in 1947, and directives by the Chief Inspector only issued intermittently, or as an emergency arose.

The National Convention of the Mine Inspectors' Institute of America was held in Denver in June, 1947. Preparations for the convention in the solicitation of contributions and the arrangements for entertainment, were made by persons outside of the department which was fully appreciated.

The State Industrial Commission administering the State Compensation Insurance Fund, discontinued making safety inspections of the 115 coal mines insured by them, and on August 25, 1948, an agreement was made between the Members of the Commission and Chief Inspector Thomas Allen, that reports of inspection made by this department of the State-insured coal mines, be filed with the State Compensation Fund; and that they would pay to the State Coal Mine Inspection Department the sum of \$30.00 per mine, or a total of \$3,450.00. This agreement was approved by Governor Lee Knous and State Controller James A. Noonan.

WESTERN STATES - COAL MINE INSPECTORS. An association of the heads of the State Coal Mine Inspection Departments of the Western States was formed for the first time, in Salt Lake City, Utah, on April 12, 1949. The ten States west of the Mississippi River that were represented were: Arkansas, Colorado, Kansas, Missouri, Montana, New Mexico, Oklahoma, Utah, Washington and Wyoming. Thomas Allen, Chief Inspector of Colorado was elected Chairman of the Western Division.

OPINION BY ATTORNEY GENERAL H. LAWRENCE HINKLEY - RE: CORONER-INQUEST. Upon the request of Coroner Dan Unfug of Huerfano County, for an opinion as to persons responsible for compensation of a Coroner in event of any injury while in a coal mine, the Attorney General stated that "it shall be the duty of each Coroner in his respective county to hold inquests in all cases of death from any accident in or about a coal mine" according to Section 154 of the State Coal Mining Laws, but that "no law requires a Coroner to go to the scene of a fatal accident, nor to make an investigation for which the State Coal Mine Inspection Department is held responsible. If any Coroner chooses to enter a coal mine, it is at his own risk." Opinion rendered on February 27, 1947.

MINE FIRES

Boncarbo fan house, Las Animas County: Mine was closed and sealed on May 17, 1947; a small portion reopened by Higinio Cordova, isolated by concrete seals. On November 18, 1947, two persons not employed at this mine entered through the bolted doors of the fan house, where there was an accumulation of Methane. In attempting to light a cigarette, there was instant ignition and both men were severely burned.

Russell Mine, Weld County: In September, 1947, a fire very close to the shaft bottom, burned out the timbers, leaving the shaft with practically no support. The mine was sealed to control the fire, by order of the Inspectors of this department.

Butte Valley Mine, Huerfano County on May 25, 1948: Smoke seen coming up the return of the 2nd dip off the 5th right, men were sent out of mine by Mine Foreman Hayden Bodycomb, who found fire in 6th X-cut in chain pillar, caused by fall of top coal onto power wires. Water used at each end of the X-cut, the fire was extinguished before it spread. Work was resumed on May 27.

South Canon Mine, Garfield County on October 4, 1948: New fire seals were constructed to isolate old fire area from the working section of the mine. Mine safe for operation on October 9.

Moore Mine, Jackson County, February 28, 1949: Fire in #1 pit apparently originated by spontaneous combustion in one of the abandoned rooms. Coal face of the pit, including the openings to rooms driven from the face, were covered with loose dirt to

smother the fire, which was unsuccessful due to shallow overburden above the coal bed. A trench was cut around the fire area and filled with inert materials, which was completed on October 25, 1949.

Sterling Mine, Weld County, April 2, 1949: Smoke was found at foot of shaft on pre-shift examination by Fire Boss, who notified State and Federal Inspectors. Fire was located in a chain pillar between 11 and 12 South entries in-by 11 and 12 West entries. Temporary fire seals were erected approximately 500 feet out-by the fire area. Brattice cloth seals were erected in intake entry and in return air-way with more substantial seals erected about 15 feet out-by the brattice cloth seals. Ventilation restored on Sunday, April 3, the mine resumed operations on April 4 in the unaffected north side.

Somerset Mine, Gunnison County - August 16, 1949: Workings in the B Seam, temporarily abandoned, a squeeze occurred due to heavy cover and soft bottom. Temporary seals completed next day and permanent seals erected by August 25. Fire believed to be caused by spontaneous combustion. More frequent inspection recommended in idle and abandoned parts of coal mines.

Recommendations for Safety - Directives by Chief Inspector Allen

8-1-47 - Add to the Mechanical Loading Rules. "The face of any place must be examined for explosive gas at frequent intervals of not less than 30 minutes during the operation of any electrically-driven machine."

1-12-48 - All cross cuts and all chutes must be blocked, except the last one.

1-12-48 - No gas-driven fan shall be used to force ventilation in any mine.

1-29-48 - No man will be allowed to handle a safety lamp underground, unless he has at least a Shot Firer's certificate.

4-23-48 - A thorough search of underground employees is the duty of every mine official, in all closed-light mines, before such employees enter the mine.

4-23-48 - Operations will be stopped at once, in any district where there is insufficient rock dusting.

4-23-48 - Operations will be stopped at once, where insufficient air is circulating at the faces.

1-14-49 - The possession of small magnets which can be carried into the mine in a pocket, that could be used for the purpose of opening a flame safety lamp is hereby absolutely prohibited.

1-14-49 - The use of gasoline engine drives on ventilating fans, which are forcing air into a coal mine, will not be allowed in the State of Colorado.

1-14-49 - Cartridge drills may be used on intake airways, under the proper supervision of certified officials.

2-14-49 - All fire extinguishers used in and around coal mines, should be of a type which will not conduct electricity thru the stream of extinguishing chemical, to the person using the appliance.

8-4-49 - Platforms shall be installed in the escapeways which are driven in highly inclined coal seams. These platforms should be at intervals of not more than 30 feet apart, and so constructed that they will not impede the passage of the air current, and shall be of sufficient strength to support one or two men at any time.

2-25-49 - All strip pits or surface mines are under the jurisdiction of this department, and are subject to all and any parts of the State Coal Mining Laws which may apply to them. This ruling is based on an opinion of the Attorney General of Colorado.

Examinations for Coal Mine Officials were held in 1948. From a total of 131 candidates, 31 passed with a grade of 80% or over, required for Mine Foreman; 39 for Assistant Mine Foreman with a grade of 75%; and 38 for Fire Boss only, with a grade of 70%. There were 20 unsuccessful candidates. Three Mine Foreman certificates were issued upon our reciprocal agreement with the State of Wyoming.

SAFETY HONOR ROLLS - 50,000 Or More Man-Hours Per Injury

MINE	OPERATOR	COUNTY	MAN-HOURS
	<u>1947</u>		
Morning Glory	Minnequa Coal Company	Huerfano	75,745
	<u>1948</u>		
Kebler #2	C. F. & I. Corporation	Huerfano	75,013
Kenneth	Hall Brothers Coal Company	Las Animas	71,424
Bear Canon #6	Bear Canon Coal Company	Las Animas	70,627
Harris	Colorado & Utah Coal Company	Routt	64,002
Washington	Clayton Coal Company	Weld	62,386
Frederick	C. F. & I. Corporation	Las Animas	51,095
Baum	Consolidated Coal & Coke	Weld	50,973
	<u>1949</u>		
Oliver #2	Oliver Coal Company	Gunnison	128,512
Frederick	C. F. & I. Corporation	Las Animas	107,459
Pictou	C. F. & I. Corporation	Huerfano	89,696
Harris	Colorado & Utah Coal Company	Routt	84,843
Edna Strip	Edna Coal Company	Routt	67,987
Pikeview	Pikes Peak Fuel Company	El Paso	54,593
Bo. Valley #3	Boulder Valley Coal	Weld	52,769

SUMMARY OF FIELD WORK

	<u>1947</u>	<u>1948</u>	<u>1949</u>
Number of inspections	758	812	685
Investigations of fatal accidents	15	12	11
Coroners Inquests attended	14	8	11
Complaints investigated	57	63	79
Shot Firer examinations given	250	120	49
Check-ups on recommendations made	59	62	171

FINANCIAL REPORTS

<u>RECEIPTS</u>	<u>1947</u>	<u>1948</u>	<u>1949</u>
Balance on hand January 1	\$ 1,422.99	\$ 2,520.22	\$ 1,305.81
Taxes, Licenses, Sale of Laws	38,535.76	35,115.59	42,433.85
Totals	\$39,958.75	\$37,635.81	\$43,739.66
<u>EXPENDITURES</u>			
Salaries - Field and Office	\$27,365.37	\$26,208.34	\$28,105.02
Maintenance and Operation	10,073.16	10,121.66	13,900.93
	\$37,438.53	\$36,330.00	\$42,005.95
Balance on hand December 31	\$ 2,520.22	\$ 1,305.81	\$ 1,733.71

PERSONNEL OF DEPARTMENT

CHIEF INSPECTOR - Thomas Allen, Denver

SENIOR - DEPUTY INSPECTORS

Hugo H. Machin, Boulder - Retired - February 1, 1949
Finley McCallum, Steamboat Springs
J. J. Roddy, Grand Junction
George H. Smith, Canon City
Myron D. Williams, Walsenburg

GENERAL - OFFICE

Veda Burford - Administrative Assistant
Evelyn Miller - Principal Clerk

BOARD OF EXAMINERS - 1947

Fred W. Whiteside, E. M., Secretary, Denver
Desire L. Coet, Louisville
James T. Wilson, Canon City
Ronald C. Oliver, Somerset

BOARD OF EXAMINERS FOR COAL MINE OFFICIALS - 1948

Fred W. Whiteside, E. M., Secretary, Denver
Abel Audin, Somerset
William DeNovellis, Louisville
James Garcia, Trinidad

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GENERAL SUMMARY - COLORADO COAL STATISTICS FOR 1947, 1948 & 1949

<u>MINES REPORTING PRODUCTION</u>				<u>1947</u>		<u>1948</u>		<u>1949</u>	
<u>PRODUCTION</u>	<u>GRADE AS REPORTED</u>	<u>Mine Run</u>	<u>Lump</u>	<u>Nut</u>	<u>Egg</u>	<u>Pea</u>	<u>Slack</u>	<u>263</u>	<u>258</u>
1947 - 1,131,267	1,136,350	393,278	210,266	168,352	2,037,274	1,381,016	5,682,561	4,580,852	238
1948 - 950,612	938,296	283,401	171,743	213,108	1,844,486	1,381,016	5,682,561	4,580,852	229
1949 - 727,935	775,296	246,309	169,159	163,099	2,199,942	1,381,016	5,682,561	4,580,852	229
<u>GRADES AS REPORTED</u>		<u>Sub-bituminous</u>		<u>Anthracite</u>		<u>Miscellaneous</u>		<u>1,304,229</u>	
<u>Bituminous</u>		<u>1,082</u>		<u>1,082</u>		<u>769</u>		<u>769</u>	
1947 - 4,432,001		1,947,933							
1948 - 4,131,403		1,550,389							
1949 - 3,232,126		1,347,824							
<u>DISTRIBUTION OF COAL</u>		<u>1947</u>		<u>1948</u>		<u>1949</u>		<u>1949</u>	
<u>Shipped by Railroad</u>		<u>4,721,715</u>		<u>4,103,622</u>		<u>3,265,148</u>		<u>3,265,148</u>	
<u>Shipped by Truck</u>		<u>1,546,289</u>		<u>1,426,617</u>		<u>1,209,546</u>		<u>1,209,546</u>	
<u>Power & Heat at the mines</u>		<u>113,012</u>		<u>152,322</u>		<u>106,158</u>		<u>106,158</u>	
<u>Shipped out of the State</u>		<u>1,016,032</u>		<u>819,938</u>		<u>656,365</u>		<u>656,365</u>	
<u>Number of coke ovens - bee hive (ASS&R. Co.)</u>		<u>160</u>		<u>-</u>		<u>-</u>		<u>-</u>	
<u>Tons of coke made</u>		<u>21,489</u>		<u>-</u>		<u>-</u>		<u>-</u>	
<u>Tons of coal made into coke</u>		<u>32,063</u>		<u>-</u>		<u>-</u>		<u>-</u>	
<u>MEN EMPLOYED IN & AROUND MINES</u>		<u>Average Number</u>		<u>6,153</u>		<u>5,691</u>		<u>5,227</u>	
<u>DAY'S WORKED</u>		<u>Average Number Per Mine</u>		<u>6,169.3</u>		<u>161.9</u>		<u>160.3</u>	
<u>DAILY PRODUCTION PER MINER, IN TONS</u>		<u>6.13</u>		<u>6.16</u>		<u>6.16</u>		<u>5.47</u>	
<u>TONNAGE BY MINING METHODS</u>		<u>4,825,214</u>		<u>4,304,780</u>		<u>3,482,203</u>		<u>3,482,203</u>	
<u>Mined - Electric under cutting machines</u>		<u>1,187,992</u>		<u>963,743</u>		<u>816,513</u>		<u>816,513</u>	
<u>Solid pick</u>		<u>6,076</u>		<u>3,635</u>		<u>4,491</u>		<u>4,491</u>	
<u>Compressed air machines</u>		<u>3,147,773</u>		<u>2,587,284</u>		<u>1,855,912</u>		<u>1,855,912</u>	
<u>Loaded - Mechanically - Very little or no hand labor</u>		<u>650,662</u>		<u>890,031</u>		<u>1,074,700</u>		<u>1,074,700</u>	
<u>Hand-loaded onto mechanical loaders</u>		<u>2,220,847</u>		<u>1,794,843</u>		<u>1,341,212</u>		<u>1,341,212</u>	
<u>Hand-loaded into pit cars</u>		<u>118,148</u>		<u>96,890</u>		<u>65,770</u>		<u>65,770</u>	
<u>CUT & LOADED BY CONTINUOUS MINING MACHINE (Baum)</u>		<u>243,586</u>		<u>313,513</u>		<u>243,258</u>		<u>243,258</u>	
<u>STRIPPED - OPEN PIT</u>		<u>-</u>		<u>-</u>		<u>-</u>		<u>-</u>	

HAULAGE MACHINERY & EQUIPMENT

Electric trolley locomotives	154	145	152
Electric battery locomotives	86	82	82
Electric hoists	206	223	215
Compressed air hoists	1	1	1
Shuttle cars	30	30	57
Animals - Horses and Mules	151	182	135
<u>UNDERGROUND MINING MACHINERY</u> - See Chart, pages 53, 54			
Mechanical Loaders	410	460	424
Electric cutting machines	536	537	511
Other types	11	15	13
Compressed air cutting machines	14	4	2
Electric drills	476	483	475
<u>LIGHTING</u>			
Flame safety lamps	759	780	885
Electric cap lamps	8, 590	8, 692	6, 652
Carbide lamps	442	404	283
Pounds of carbide used - approximately	32, 990	29, 532	20, 582
<u>EXPLOSIVES USED</u> - Total number of pounds			
Permissible	963, 830	832, 201	771, 664
Black Powder	142, 627	100, 724	64, 025
Dynamite	119, 076	95, 460	60, 013
Cardox	1, 724, 256	1, 601, 145	1, 307, 070
<u>ACCIDENT STATISTICS</u>			
Fatalities	14	8	11
Non-fatal - Compensable	361	308	243
Killed per 1, 000 men employed	2.28	1.40	2.10
Injured, per 1, 000	58, 67	54, 12	46, 50
Tons of coal, per fatal	455, 787	710, 320	416, 441
Tons of coal per non-fatal	17, 676	18, 449	18, 851
Dependents of deceased: Wives-Minor children	11-18	10-16	11-19

D I R E C T O R Y

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Abeyta, Alex	Trinidad	Frisco #2	Same	Las A.
Allan, Dan & Sons	Boulder	Cracker Jack	"	Boulder
Allan, Dan & Sons	"	Cracker Jack #2	"	"
Alpine Fuel	Gunnison	Kubler	"	Gunnison
American S. &R.	Cokedale	Boncarbo	Boncarbo	Las A.
Annex Coal	Florence	Annex	Same	Fremont
Aragon Coal	Aguilar	Alfreda	"	Las A.
Arcuri, Manuele	Trinidad	Burro Canon #2	Valdez	" "
Argo Mining	Superior	So. Gorham	Same	Boulder
Ausec, Frank	Colo. Springs	Busy Bee	"	El Paso
Baldy Coal	Trinidad	Baldy	Same	Las A.
Bankston, Vernon W.	Norwood	Crisp	"	San Miguel
Barnell, George M.	Walden	Marr	"	Jackson
Barton, Thomas E.	Hayden	Sun	"	Routt
Bear Canon Coal	Trinidad	Bear Canon #6	Vallorso	Las A.
Bear Coal	Somerset	Bear	Same	Gunnison
Beavers, Virgil L.	Florence	Beaver Strip	"	Fremont
Beer, Lloyd J.	"	Beer Strip	"	"
Beer, Lloyd J.	"	Pine Gulch #2	"	"
Bendetti, Henry	New Castle	Atlas	Silt	Garfield
Berardi & Berta	Florence	Coal Creek Can.	Same	Fremont
Bertram & Aldrich	Cedaredge	Ideal	"	Delta
Berwind Canon Coal	Trinidad	Berwind Canon	"	Las A.
Bisulco, Alex	Aguilar	New Primrose	"	" "
Black Beauty	Walsenburg	Black Beauty	"	Huerfano
Black Dan Coal	Denver	Black Dan Strip	McGregor	Routt
Black Diamond Fuel	Boulder	Black Diamond #2	Lafayette	Boulder
Black Diamond Fuel	Cedaredge	Black Diamond	Same	Delta
Black Knight Coal	Florence	Black Knight	"	Fremont
Blue Blaze Coal	Walsenburg	Blue Blaze	"	Huerfano

RAILROADS OPENINGS SEAMS

Superintendent	R. R.	OPENINGS					SEAM		
		Shaft Depth	Rock Slope	Rock Tunnel Length	Drift	Ft.	In.	Pitch % - 0	
Alex Abeyta					Yes	3			
Dan Allan						5		20	
Dan Allan						7			
T. Krizmanich	D&RG				Yes	6			
C. R. Garrett	D&RG				Yes	5	3	2	
Nickie Rocchio					Yes	5	6	7	
J. L. Aragon					Yes	3	2	10	
Manuele Arcuri						4	6		
George T. Rolfes						4		38	
Frank Ausec						1-16		5	
E. W. Meggison		200				6			
Vernon W. Bangston						5	6	4	
George M. Barnell						50			
Thomas E. Barton					Yes	8	9	12	
Leo Oss	C & S					6		1	
Tony Bear	D&RG	300				8		4	
Virgil L. Beavers		STRIP				4	3		
Lloyd J. Beer		STRIP				3	6	8	
Lloyd J. Beer					Yes	3		4	
Henry Bendetti					Yes	5		48-50	
J. J. Berta					Yes	4		5	
George Bertram					Yes	4	6		
J. P. McIlwee					Yes	4	8	8	
Alex Bisulco					Yes	3	6	7	
C. A. Bowerman	D&RG					4		10	
Paul Fifield	D&RG	STRIP				14			
James Hackett		268				5		1	
J. A. Eckert			150			6			
C. Alvidrez						3			
Albert Amiday					Yes	3	2	6	

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Blue Spruce Coal	Oak Creek	Blue Spruce	Same	Routt
Bodo, Louis & Sarris	Durango	O. K.	"	La Plata
Boglino, Henry	Durango	Tipotsch	"	" "
Boscia Coal	Oak Creek	Apex	"	Routt
Boulder Valley Coal	Denver	Bould. Valley#3	Dacono	Weld
Bowman, Guillermo	Trinidad	Crystal	Boncarbo	Las A.
Brodhead Coal	Trinidad	Brodhead	Brodhead	" "
Brook Canon Coal	Canon City	Brook Canon	Same	Fremont
Brooks, I. , & Fogg, L.	Cedaredge	Green Valley#2	"	Delta
Brookside Coal Mng.	Florence	Brookside #1	"	Fremont
Brookside Coal Mng.	Florence	Brookside #2	Same	Fremont
Burnwell Coal	Durango	Burnwell #2	"	La Plata
Busetti & Slack	Coal Creek	Caldirola #1	"	Fremont
Caldirola Coal	Florence	Caldirola #2	"	"
Calumet Fuel	Salt Lake City, U.	Calumet #2	Delcarbon	Huerfano
Calumet Fuel	Salt Lake City, U.	Oliver #2	Somerset	Gunnison
Calumet Fuel	" " "	Somerset	"	"
Canon Black Diam. C.	Florence	Can. Blk. Diam.	Same	Fremont
Canon Chief Coal	"	Canon Chief	"	"
Canon Horseshoe C.	Florence	Canon Horseshoe	"	"
Canon Liberty Coal	Canon City	Canon Liberty	Brookside	Fremont
Canon Monarch Coal	Florence	Pine Gulch #1	Same	"
Canon Monarch Coal	"	Spring Canon #2	"	"
Canon National Coal	"	Canon National	"	"
Canon Peacock Coal	"	Canon Peacock	"	"
Canon Royal Coal	Canon City	Canon Royal	Same	Fremont
Canon Shamrock Coal	Coal Creek	Canon Shamrock	"	"
Capitol Fuel	Denver	Capitol	Arvada	Jefferson
Carbon Coal	La Veta	Carbon	Same	Huerfano
Carestia & Fazzino	Florence	Golden Qual. #1	"	Fremont

Superintendent	R. R.	OPENINGS					SEAM		
		Shaft Depth	Rock Slope	Rock Tunnel Length	Drift	Ft.	In.	Pitch % - 0	
Henry Swarmer				450		4-5			
Louis Bodo					Yes	3	6	6	
Henry Boglino						5			
Angelo Boscia					Yes	4	6	6	
Thomas Harris	UP	240				7			
Guillermo Bowman					Yes	3			
Sam Vasquez						3	6	12	
Nick Moschetti						2-3			
Ira T. Brooks						6			
Frank Orecchio					Yes	3	6	7	
Frank Orecchio					Yes	3			
G. M. Gale		150				7		2	
Joe Slack					Yes	7		3	
Frank Sabatino		470				4	8	2	
A. P. French	D&RG	550				4	6	2	
C. E. Smith						7	6	6	
Gomer Reese, Jr.	D&RG					8	9	6	
Frank Yellico						6	6	6	
Harold Valdick					Yes	6			
G. Morganstein					Yes	4	3	7	
Tony Beltramo						3			
Lloyd J. Beer						4	6	6	
Lloyd J. Beer						2	6	6	
Mat Grahek					Yes	5	6	7	
Harold F. May					Yes	6		8	
J. A. Cresto						2	6	6	
Tony DiGiacomo					Yes	6	6	9	
John C. Neish					Yes	14			
Charles Garcia						3	8	30	
Budgie Fazzino						3	6	6	

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Carestia & Fazzino	Florence	Golden Qual. #2	Same	Fremont
Cason, Vernon	Durango	Blue Flame	"	La Plata
Centennial Coal	Louisville	Centennial	"	Boulder
Champion Coal Mng	Somerset	Hawk's Nest	"	Gunnison
Cimino, Nick	Trinidad	Starkville #3	"	Las A.
Clark Coal	Somerset	Edwards	Same	Gunnison
Clark, Ray	Grand Junction	Monarch	"	Mesa
Clayton Coal	Denver	Lincoln	Erie	Weld
Clayton Coal	"	Morrison	"	"
Clayton Coal	"	Washington	"	"
Cole, Ennis	Palisade	Rio Blanco	Same	Garfield
Coles, W. E.	New Castle	New Castle	"	"
Collins & Roatcap	Montrose	Cimarron	"	Montrose
Colorado Coal	Cedaredge	Colorado Strip	"	Delta
C. F. & I. Corp.	Pueblo	Crested Butte	Cr. Butte	Gunnison
C. F. & I. Corp.	Pueblo	Frederick	Valdez	Las A.
C. F. & I. Corp.	"	Kebler #2	Tioga	Huerfano
C. F. & I. Corp.	"	Morley	Morley	Las A.
C. F. & I. Corp.	"	Pictou	Walsenburg	Huerfano
C. F. & I. Corp.	"	Rockvale #3	Canon City	Fremont
Colorado Spgs. Co.	Colorado Spgs.	City #4	Same	El Paso
Colorado & Utah	Denver	Harris	Mt. Harris	Routt
Colowyo Coal	"	Red Wing	Axial	Moffat
Conda, Wesley	Boulder	New Gorham	Same	Boulder
Consolidated C&C	Denver	Baum	Dacono	Weld
Coors Porcelain	Golden	Rocky Flat	Same	Jefferson
Corley	Colo. Springs	Corley #6	Florence	Fremont
Crane, LeRoy R.	Bayfield	Columbine	Same	Archuleta
D & N Coal	Craig	Wise Hill #2	"	Moffat
Diamond Fuel	Glenwood Spgs.	Diamond	"	Garfield

Superintendent	R. R.	OPENINGS				SEAM		
		Shaft Depth	Rock Slope	Rock Tunnel Length	Drift	Ft.	In.	Pitch %
Budgie Fazzino					Yes	3	6	6
Vernon Cason					Yes	6	6	
John Stevens	CB&Q	283				5		
Clement Audin	D&RG		300			8		2
Nick Cimino					Yes	4	6	
Ira G. Cordray	D&RG				Yes	8		4
Ray Clark					Yes	5		
John Sidle	UP					7		
John Sidle	UP	160				8		
John Sidle	UP	430				10		
F. Stapleton						8		45
W. E. Coles		200				42		48
Roy Roatcap					Yes	28		
A. V. Madonna						10		2½
F. C. Bennett	D&RG			STRIP		Yes	4-8	0-13
H. D. Pinkney	C&W				Yes	3-4		
L. W. Ingles	D&RG					4-5		5-78
H. D. Pinkney	ATSF					4	6	2
L. W. Ingles	D&RG					4	6	
Clifford Dawe	ATSF	100				3	6	12
John Gonzales		600				6-8		10
Joe B. Burns	D&RG		300			9	3	18
C. C. Daniels		125				22		2
N. G. Conda			200			5	6	27
John Jurcheck	UP	205				7		
J. G. Biggens		175				7	6	76
Paul Brenton	ATSF		300			5		10
LeRoy R. Crane						12		50
L. V. Harbour					Yes	10	6	10
David Davies			500			7	6	50

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Dick Coal	Walsenburg	Dix	Boncarbo	Las A.
Dixie Coal & Oil	Denver	Dixie #2	Milner	Routt
Domestic Coal	Denver	Streeter	Axial	Moffat
Double Dick Coal	Florence	Double Dick	Same	Fremont
Dry Creek Coal	Hayden	Crow Bar	"	Routt
Duca, Carl Del	Florence	Willie #2	Same	Fremont
Duca & Verlengia	Canon City	Canon Zenith	Coal Creek	"
Duca, Joseph Z.	" "	Canon Zenith#2	" "	"
Dufur, Xavier	Aztec, N. Mex.	Ft. Lewis	Ft. Lewis	La Plata
Dufur, Xavier	" " "	Soda Springs	" "	" "
Dunn, L. F., Jr.	Hesperus	Dunn	Same	La Plata
Durkan, James T.	"	Durkan	"	" "
Dutch Coal	Boncarbo	Dutch	"	Las A.
Eagle Head Coal	Grand Junction	McGinley	Same	Mesa
Echols Brothers	Boulder	Hillside	"	Boulder
Edna Coal	Denver	Edna Strip	Oak Creek	Routt
Erie Coal	"	Erie Strip	Erie	Weld
Eureka Coal	Trinidad	Anchor	Boncarbo	Las A.
Fabec Brothers	Trinidad	Sunrise	Same	" "
Falgien Coal	Coal Creek	Falgien #1	"	Fremont
Falgien Coal	Coal Creek	Falgien #2	"	Fremont
Ferrick, M. L.	Walden	Sudduth	"	Jackson
Fitzgerald, Chas.	Mancos	Willden #2	"	Montezuma
Ford, Denver	Grand Junction	Corcoran	Grand Jct.	Mesa
Franceville Coal	Colo. Springs	Franceville	Same	El Paso
Franceville Coal	Colo. Springs	Franceville Str.	Same	El Paso
Gallegos & Dwight	Pagosa Springs	Bellino	"	Archuleta
Gallegos & Dwight	" "	Martinez	"	"
Garcia, Louis	Boncarbo	Viola	"	Las A.
Garcia, Simon B.	Pagosa Springs	Garcia	"	Archuleta

Superintendent	R. R.	OPENINGS				SEAM		
		Shaft Depth	Rock Slope	Rock Tunnel Length	Drift	Ft.	In.	Pitch %
Harold E. Scott	D&RG					4	6	
Darwin Siegfried					Yes	5	6	14
C. M. Hutton					Yes	13		3½
Joe Rohar					Yes	5	10	7
John McPherson						8		
Carl DelDuca					Yes	3		
Joseph Z. Duca					Yes	3		2
Joseph Z. Duca					Yes	3		
Xavier Dufur					Yes	9		
Xavier Dufur						9		
Lafe F. Dunn, Jr.					Yes	5	8	
James T. Durkan					Yes	6		5
George Martinez		NO REPORT						
W. C. Lutz					Yes	7		
R. N. Echols		60				8		10
L. M. Cooley	D&SL	STRIP				5	6	
Al Ross	UP	STRIP				6		2
A. V. Duran	D&RG				Yes	5	6	
A. L. Fabec						5	2	10
A. Falgien		500				3	6	4
A. Falgien						3	6	
M. L. Ferrick					Yes	32		40
Charles Fitzgerald		700				5	6	
Denver Ford					Yes	4	6	17
L. F. Gordley					Yes	6		
L. F. Gordley		STRIP				9		
J. D. Gallegos						3	6	
J. D. Gallegos						3		
A. L. Garcia					Yes	5	6	
Simon B. Garcia		200				8		

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Garfield Coal	Palisade	Garfield	Same	Mesa
Gilbert, Julio	Cokedale	Gilbert #1&2	"	Las A.
Giordano Coal	Walsenburg	Ravenwood	"	Huerfano
Giuliano & Sons	Florence	Cedar Canon	"	Fremont
Glover, N. R. & G. R.	Cortez	Lakeview	"	Montezuma
Gordon Coal	Walsenburg	Butte Valley	Same	Huerfano
Gordon Coal	"	Gordon	"	"
Gould, Frank	Steamboat Spgs.	Block	"	Routt
Graden Coal	Denver	Graden	Dacono	Weld
Green Canon Coal	Aguilar	Jewell-Creston	Same	Las A.
Griffiths Coal Mng.	Canon City	Chandler Creek	Same	Fremont
Guadagnoli Brothers	Trinidad	New Slope	"	Las A.
Guiliano Coal	Aguilar	Gem	"	" "
Guiliano Coal	"	Gem #2	"	" "
Haas, William & Son	Rifle	I. H. I. #2	"	Garfield
Halcumb, Claude O.	Fruita	Hunter	Same	Mesa
Halcumb, Noah H.	"	Monger	"	"
Hall Brothers Coal	Trinidad	Kenneth	Rugby	Las A.
Hare, James, Jr.	Gunnison	Baldwin Star	Baldwin	Gunnison
Hayden Coal	Denver	Hayden #4	Haybro	Routt
Hay Gulch Coal	Hesperus	Hay Gulch #2	Same	La Plata
Henderson, J. B.	Durango	Coal King #2	"	" "
Hesperus Coal	Hesperus	Hesperus	"	" "
Hicks, Ernest	Grand Junction	Hidden Treasure	Fruita	Mesa
Hicks & Son	Palisade	Palisade	Same	"
Hightchew, Lester	Mancos	Monarch	Hesperus	La Plata
Holgate, Howard	Carbondale	Placita	Same	Pitkin
Horace Anthracite	Crested Butte	Horace	"	Gunnison
Hot Flame Coal	Aguilar	Hot Flame	"	Las A.
Huerfano Coal	Denver	Ludlow	Ludlow	" "

Superintendent	R. R.	OPENINGS				SEAM		
		Shaft Depth	Rock Slope	Rock Tunnel Length	Drift	Ft.	In.	Pitch % - 0
J. B. Anderson						4	9	
A. Julio Gilbert						6		
Joe Giordano					Yes	2	6	4
Mike Giuliano					Yes	6	2	2
N. R. Glover					Yes	3	6	3
H. Bodycomb	D&RG	900				9	27-34	
August Chatin	D&RG	4,900				4		5½
Frank Gould					Yes	5		8
J. A. McFadden	UP	320				7	6	
George Clark	C&S					4		12
William McShane		300				3-5		5
A. J. Guadagnoli		800				6		3
A. L. Giuliano	C&S				Yes	3		3
A. L. Giuliano	C&S					6		
William Haas					Yes	11		
Claude O. Halcumb					Yes	6	3	10
Noah H. Halcumb						5	6	
Thomas H. Hall	C&S					5		12
James Hare, Jr.					Yes	7		40
Albert Daniels	D&RG	560				10		17
Carl Hunt					Yes	6		
J. B. Henderson					Yes	6	6	
Joe DiLuzio					Yes	5		
Ernest Hicks					Yes	3	4	15
Carl Hicks					Yes	4		
Lester Hightchew					Yes	8		5
Howard Holgate					Yes	4		35
Joe Saya	D&RG				Yes	3	9	5
P. F. Boese						4		2½
Frank McDermott	C&S				Yes	4-6		5

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Hughes & Phillips	Palisade	Gearhart	Same	Mesa
Hughes, William	"	Midwest	"	"
Husted & Thomason	Cedaredge	Green Valley	"	Delta
Imperial Coal	Denver	Eagle	Erie	Weld
Imperial Coal	"	Imperial	"	"
Indepednent Fuel	Cedaredge	Independent	Same	Delta
Iuppa Coal	Trinidad	Starkville #4	Starkville	Las A.
Jakovac, Frank	Oak Creek	Frank's	Same	Routt
James Coal	Axial	James	"	Moffat
Jenkins & Mathis	Meeker	Rienau	"	Rio B.
Johnson & Paterson	Fruita	Hy-Grade	Same	Mesa
Juanita Coal & Coke	Bowie	King	"	Delta
Kattnig, Martin	Florence	White Ash #1	"	Fremont
Keck, W. R.	Norwood	Keck-Reliance	"	San Miguel
Kerr Coal	Cameo	Cameo	"	Mesa
Keystone Coal	Denver	Keystone	Routt	Routt
Klantchnek, John	Walsenburg	Caddell #2	Same	Huerfano
Knez, Joe L.	Craig	Knez	"	Moffat
Leader Coal	Trinidad	Leader #2 & #3	Sopris	Huerfano
Leyden Lignite	Denver	Leyden #3	Leyden	Jefferson
Liley & Merlino	Broomfield	Liley	Same	Boulder
Louisville-Lafayette	Louisville	Hi-Way	"	"
Lovato, John C.	Trinidad	Lovato	Valdez	Las A.
Lovisone & Colarelli	Canon City	L & C	Same	Fremont
Lovisone & Colarelli	" "	L & C #2	"	"
Lowery, Ray	Ridgeway	Columbine	Same	Ouray
Lucia, Ben	Sopris	St. Lucia	"	Las A.
Lumpkins, Jess L.	Grand Junction	Grasso	"	Mesa
Lyen, Warren E.	Delta	Raven	"	Delta

Superintendent	R. R.	OPENINGS				SEAM		
		Shaft Depth	Rock Slope	Rock Tunnel Length	Drift	Ft.	In.	Pitch %-'o
William Hughes					Yes	5	6	12
William Hughes					Yes	3		5
H. E. Husted				150		5	6	5
Frank Kolar	UP	370				9		1½
Frank Kolar	UP	300				10	6	
Louis Ciani				125		9	3	
Albert Iuppa					Yes	4		
Frank Jakovac					Yes	3-7		3
R. Noren					Yes	8	6	8-36
G. C. Mathis					Yes	20		18
M. R. Paterson					Yes	3	6	7
W. D. Bowie	D&RG				Yes	14		6-15
Martin Kattnig					Yes	1	10	6
W. R. Keck					Yes	2	8	
W. M. Kerr, Jr.	D&RG		500	1,000		6-9		7
John Monks	D&RG					8		
John Klantchnek		200				4	10	4
Joe L. Knez						10		
Frank Jagodnik					Yes	3		6
Claude E. Dollar	D&IM	792				7	9	3
Charles Liley		350				6		
Frank Yakes, Jr.	CB&Q	385				4-6		
John C. Lovato					Yes	5	3	
Ted Colarelli						5		12-15
Ted Colarelli						5	8	
Ray Lowery		250				30		6
Ben Lucia		NO REPORT						
Jess L. Lumpkins						Yes	2	11
Warren E. Lyen						Yes	6	7

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
McNeil Coal Corp.	Denver	McNeil	McGregor	Routt
McNeil Coal Corp.	Denver	Sterling	Dacono	Weld
Main, Kenneth R.	Meeker	Little Joe	Same	Rio B.
Main, Kenneth R.	"	Mt. Quaker	"	" "
Major Coal	Walsenburg	Major #2	"	Huerfano
Mancos Coal	Mancos	Mancos	Same	Montezuma
Marshall Coal	Boulder	Marshall	"	Boulder
Martinez, Rafael	Cokedale	Martinez	"	Las A.
Martinez, Toby	Trinidad	Starkville #5	"	" "
Martorano Brothers	Sopris	Martorano	"	" "
Mathews, John	Oak Creek	Johnnie's	Same	Routt
Melonas Coal	Walsenburg	Melonas	Ludlow	Las A.
Middle Creek Coal	Oak Creek	Middle Creek	Same	Routt
Minnequa Coal	Denver	Morning Glory	Walsenburg	Huerfano
Minoletti Brothers	Durango	Minoletti	Same	La Plata
Moffat Coal	Denver	Moffat #3	Oak Creek	Routt
Montoya, Leo	Trinidad	Montoya	Same	Las A.
Morasky, Joe	"	Grey Creek	"	" "
Morasky, Joe	"	Morasky	"	" "
Morris & Vendetti	Canon City	Manley	"	Fremont
Moschetti, T & Son	Florence	Midway #1 & #2	Same	Fremont
Moyer & Babcock	Rifle	Rifle Creek	"	Garfield
National Fuel	Denver	Monarch #2	Broomfield	Boulder
Nix, Ammon E.	Nucla	Independence	Same	Montrose
Nix & Nix	"	Sunshine	"	"
North Park Coal	Ft. Collins	Moore Strip	Coalmont	Jackson
Ortiz & Mares	Trinidad	White Flame	Same	Las A.
Osage Coal	Steamboat Spgs.	Osage Strip	"	Routt
Paolazzi, Clem A.	New Castle	Harvey Gap	"	Garfield
Paonia Farmers Coal	Paonia	Paonia Farmers	"	Delta

Superintendent	R. R.	OPENINGS				SEAM		
		Shaft Depth	Rock Slope	Rock Tunnel Length	Drift	Ft.	In.	Pitch % -°
Walter Scott			200			8		9
A. W. Newcomb	UP	358				6	11	
Kenneth R. Main				Yes	26			21
Kenneth R. Main				Yes	22			21
John Cornali	D&RG	75			3-7			9
Roy Freeman				Yes	4	8		4
C. A. Shafer		100				6	6	
Rafael Martinez					2	2		
Toby Martinez				Yes	4			
M. Martorano				Yes	3	4		
John Mathews					4	10		5
James Melonas	C&S	144			4	10		7
D. Templeton				Yes	12			
George M. Turner	D&RG				4	6	4-9	
Joe Minoletti				Yes	5	6		6
Gomer Reese	D&RG	1, 800			4-7			6-15
Leo Montoya					2	6		
Joe Morasky				Yes	3	6		
Joe Morasky				Yes	3-8			
J. C. Morris				Yes	4	6		
T. Moschetti					4	2		3
George Moyer		130			8	4		80
James T. Watson	C&S	375			5			
Ammon E. Nix				Yes	4	6		5
Lee Draves					6			2
Harry L. Snell	LNP&W		STRIP		20-40			
F. Ortiz					3			
G. E. Ralston	D&RG		STRIP		8	10		
Clem A. Paolazzi				Yes	4-6			20
Merle Fisk					8	6		12

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Paradiso Brothers	Trinidad	Forbes #9	Same	Las A.
Park Coal	Denver	Loma Park Strip	Walsenburg	Huerfano
Partch Brothers	Gunnison	Nu-Mine	Same	Gunnison
Patton, Lloyd L.	Cedaredge	Red Canon #1	"	Delta
Peacock Coal	Durango	Peacock	"	La Plata
Peaks Coal	Pueblo	Peaks	Walsenburg	Huerfano
Peerless Coal	Durango	Peerless	Same	La Plata
Phelps, J. W., Jr.	Dolores	Summit Ridge	"	Montezuma
Piedmont Coal	Sopris	Piedmont	"	Las A.
Pikes Peak Fuel	Colorado Spgs.	Pikeview	Pikeview	El Paso
Pinkerton, Dewey J.	Cedaredge	Red Mountain	Same	Delta
Pittsburg Coal	Boulder	Pittsburg	"	Boulder
Pluto Coal Mining	"	Pluto #2	Superior	"
Prendergast, Richard	Rifle	Rifle Gap	Same	Garfield
Queen & Welker	Grand Junction	Homestead	"	Moffat
R & G Fuel	Trinidad	R & G	Same	Las A.
Ramsay Coal	Hayden	Ramsay #1	"	Routt
Rangely Coal	Oak Creek	Les-Ash	"	Moffat
Red Ash Coal	New Castle	Red Ash	"	Garfield
Red Ash Coal	Walsenburg	Maitland	"	Huerfano
Red Glow Coal	Aguilar	Red Glow	Same	Las A.
Regal Partners	Lafayette	Regal	"	Boulder
Rex Carbon Coal	Florence	Rex Carbon	"	Fremont
Rice Coal	Denver	Rice	Hayden	Routt
Richardson, E. D.	Durango	Cherry Creek	Mancos	Montezuma
Rifle Coal Mines, Inc.	Rifle	North Canyon	Same	Garfield
Riggs, W. E.	Trinidad	Forbes #11	"	Las A.
Riverside Farmers	Palisade	Riverside	"	Mesa
Rogers, Earl W.	Glenwood Spgs.	Dalsas	"	Garfield
Rolfes & Conda	Milner	Dixie	"	Routt

Superintendent	R. R.	OPENINGS				SEAM		
		Shaft Depth	Rock Slope	Rock Tunnel Length	Drift	Ft.	In.	Pitch % - 0
A. Paradiso						4-7	6	
Al Ross	D&RG					4	6	
Joseph E. Partch					Yes	6		
Lloyd L. Patton				350		4	6	
G. M. Gale					Yes	5	6	2
Eloy Montez						2	6	5
Thomas G. Pierce					Yes	4	6	5
J. W. Phelps, Jr.		NO	REPORT					
Charles Langowski				800 575		4	4	
Vic Adams	D&RG			178		7-14		6½
Dewey J. Pinkerton						12	10	10
D. H. Davies					Yes	5		30
Frank E. Hodgson				1,530		6	6	5-10
Richard Prendergast					90	4	6	
Charles A. Queen						6		2
R. & G. Trujillo					Yes	3	9	
Ramsay Harris					Yes	10		
James F. Knox						9		10
A. E. Westley					Yes	8-9		57
Steve Judiscak					Yes	4	6	5
Joe F. Smith					Yes	4		6
Louis Gaspar		285				6		
John M. Williams				450		3	10	12
Louie Ciani						11		17
E. D. Richardson					Yes	4		
C. C. Sterns					Yes	10		80
W. E. Riggs					Yes	5	6	
C. C. Spangler					Yes	3	6	
Earl W. Rogers					Yes	6	6	52
Louis Conda					Yes	6		14

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Routt-Curtis Coal	Denver	Routt-Curtis	Milner	Routt
Royal Gorge Coal	Canon City	Royal Gorge	Same	Fremont
Rugby Coal	Trinidad	Rugby #1	Pryor	Huerfano
Rugby Coal	"	Rugby #2	"	"
Russell, W. E. Coal	Denver	Crown	Superior	Boulder
Russell, W. E. Coal	Denver	Russell	Frederick	Weld
Sanchez, Fred	Trinidad	Fairweather	Same	Las A.
Santistevan, Pete	"	Rainbow #1	"	" "
Sensintaffer & May	Canon City	Canon City	"	Fremont
Serroni, Otto	Durango	Castle	"	La Plata
Serroni, Otto	Durango	Supreme	Same	La Plata
Seven Crown Coal	Denver	SevenCrownStrip	Oak Creek	Routt
Shamrock Coal	"	Shamrock	Erie	Weld
Shupe & Muender	Fruita	Farmers Mutual	Same	Mesa
Sleepy Cat Operating	Denver	Sleepy Cat	Hayden	Routt
Smith, A. G.	Gunnison	Baldwin	Same	Gunnison
Smith Brothers	Durango	King	"	La Plata
Smith, John	Trinidad	Berwind #2	"	Las A.
Snooks, Otis H.	Bayfield	Triple S	"	La Plata
So. Blk. Diam.C&Oil	Trinidad	AguilarBlk.Diam.	Aguilar	Las A.
SoBlk.Diam. C. &Oil	Trinidad	Franklin	Delagua	Las A.
So. Canon Mines	Glenwood Spgs.	So. Canon #1	Same	Garfield
Staples Brothers	Gunnison	Ohio Creek	"	Gunnison
States Coal	Cedaredge	States	"	Delta
States, Welland W.	"	Top	"	"
Steele Brothers	Fruita	Farmers	Nearing	Mesa
Sterns, C. C.	Rifle	Big Three	"	Garfield
Strainer Coal	Canon City	Canon Wolf Crk.	"	Fremont
Sunlight Coal	Glenwood Spgs.	Sunlight	"	Garfield
Sunlight Coal	Florence	Sunlite	"	Fremont

Superintendent	R. R.	OPENINGS				SEAM		
		Shaft Depth	Rock Slope	Rock Tunnel Length	Drift	Ft.	In.	Pitch % - 0
Thomas Allen, Jr.					Yes	5		
Phil Thomas, Jr. ATSF					Yes	5	6	47
C. S. Dawn					Yes	3		13
C. S. Dawn					Yes	3	8	13
Andrew C. Wilson		238				7		1-30
Andrew C. Wilson UP		223				5	6	2
Fred Sanchez						6		
Pete Santistevan					Yes	3	6	
Harold T. May					Yes	3		
Tony Bettini D&RG						5	5	
Otto Serroni					Yes	5	10	
W. W. Bentley						6	10	1
C. M. Christensen UP		100				9		
E. Shupe					Yes	2	6	28
Dave Linn						8		
A. G. Smith						6		
Irvin A. Smith						5	8	
John Smith					Yes	5		
Otis H. Snooks					Yes	12		44
Frank Coke C&S				100		5		
Frank Coke C&S					Yes	6		2
Rees Llewellyn D&RG						5		55
S. L. Staples, Jr.					Yes	5	4	5
R. E. Marah					Yes	14		
Welland W. States				200		7		7
Rudolph Steele						6	6	5
C. C. Sterns						3	9	
A. Strainer, Jr.					Yes	4	6	3
Joe M. Rogers					Yes	8	6	40
Francis B. Petry					Yes	3	6	5½

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Sunshine	Durango	Sunshine	Same	La Plata
Supancic, Louis	Cameo	Riverview	"	Mesa
Tafoya, Juan	Aguilar	Harnish	"	Las A.
Taylor Coal Mng.	Walsenburg	Blue Streak	Meeker	Rio B.
Taylor Coal Mng.	"	Cook	Ludlow	Las A.
Taylor Coal Mng.	Walsenburg	Hart	Craig	Moffat
Taylor Coal Mng.	"	Rapson	Rugby	Las A.
Taylor Coal Mng.	"	Rouse	Pryor	Huerfano
Thomas Coal	Grand Junction	Thomas	Same	Mesa
Thor Fuel	Trinidad	Thor	"	Las A.
Tompkins, John C.	La Veta	Tompkins-Geo.	Same	Huerfano
Trinidad Brick & Tile	Trinidad	New Mary	"	Las A.
Trujillo, Joseph H.	"	Bloom	"	" "
U. S. Vanadium Corp.	Grand Junction	Liberty Bell	"	Montrose
Valley View Coal	Dolores	Valley View	"	La Plata
Vanadium Corp. -Amer.	Naturita	Fiddling Bill	Same	Montrose
Vento Coal	Florence	Vento	"	Fremont
Vezzani & Shields	Pryor	Pryor #2	"	Huerfano
Victor-American Fuel	Denver	Delagua	Delagua	Las A.
Victor-American Fuel	"	Delagua #5	"	" "
Victor-American Fuel	Denver	Pinnacle	Oak Creek	Routt
Victor-American Fuel	"	Wadge	Mt. Harris	"
Victory Coal	Durango	Victory	Same	La Plata
Vidmar, Charles	Palisade	Blue Flame	"	Mesa
Vigil, D. Eloy	Trinidad	Peacock	"	Las A.
Vigil, Frank	Valdez	Vigil	Same	Las A.
Walker Coal	Florence	Canon Monarch #3	"	Fremont
Ward, Roy Sam	Fruita	Coal Gulch	"	Mesa
Weaver Brothers	Gunnison	Richardson	"	Gunnison
West, H. O.	Rangely	Rector	"	Rio Blanco

Superintendent	R. R.	OPENINGS				SEAM		
		Shaft Depth	Rock Slope	Rock Tunnel Length	Drift	Ft.	In.	Pitch %-'0
Veva P. Macy					Yes	6		
Louis Supancic					Yes	7		
Juan Tafoya					Yes	4		
Carl Tesitor						20		18
Carl Tesitor	C & S					3		7
Carl Tesitor					Yes	25		5
Anthony Tesitor	C & S	2,000				4		12
Anthony Tesitor	D & RG					4		12
Ben Richards					Yes	4	6	
Eph Wagstaff	C & S	300				6		4
John C. Tompkins		200				3-4		40
Fred C. Nichols, Jr.					Yes	3		
Joseph H. Trujillo						2	6	
James LeDonne					Yes	7		2
J. D. Simmons					Yes	5	10	5
D. W. Viles					Yes	7		2
Tony Vento					Yes	5	8	8
Alex Shields						5	6	12
Henry C. Johnson	C & S	700				4		6
Henry C. Johnson	C & S				Yes	4		6
W. E. Schlessinger	D & RG				Yes	4-12		4-20
W. E. Schlessinger	D & RG					8	6	16
William Gerard					Yes	6		6
Charles Vidmar					Yes	5	4	3
Eloy Vigil					Yes	5	10	3
Frank Vigil					Yes	3	6	
Lloyd J. Beer						3	4	
Roy Sam Ward					Yes	5		2
H. L. Weaver		200				4	6	4
H. O. West					Yes	11		

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
White, Loren E.	Gunnison	Carbon Creek	Same	Gunnison
White River Fuel	Vernal, Utah	White River	Rangely	Rio B.
Williams & Martino	Florence	Can. Red Dragon	Same	Fremont
Williamson, R. H.	Matheson	White Ash	"	Elbert
Wilson, Glen E.	Cortez	Montezuma	"	Montezuma
Wilson, Glen E.	Cortez	Montezuma#2	Same	Montezuma
Winger Coal	Palisade	Winger	"	Mesa
Wolverton, T. S.	Paonia	Delta W	"	Delta
Wright Fuel	Hesperus	Wright #2	"	La Plata
Yampa Valley Coal	Craig	Yampa Valley	"	Moffat
Yellico, Gene	Delta	Tomahawk	Same	Delta
Z & P Coal	Trinidad	Z & P	"	Las A.
Zamarippa Brothers	Florence	Granite #1	"	Fremont
Zamarippa Brothers	"	Can. Red Drag. #1	"	"
Zellitti, F. & N.	Durango	Morning Star	"	La Plata

Superintendent	R. R.	OPENINGS				SEAM		
		Shaft Depth	Rock Slope	Rock Tunnel Length	Drift	Ft.	In.	Pitch %-'o
Loren E. White				150		4		
M. E. Staley						8		13
George Williams		200		100		4	6	
R. H. Williamson	62					12		2
Glen E. Wilson					Yes	4		
Glen E. Wilson					Yes	4	6	2
John Zeilinger					Yes	5	6	3
T. S. Wolverton					Yes	10	6	2
Glen Wright					Yes	5		3
John Babb						7-20		
Gene Yellico						11	4	2-10
G. Zappanti					Yes	4	2	
Leo Zamarippa						3	6	
Leo Zamarippa						4	6	4
Frank Zellitti, Jr.					Yes	5	10	7

REPORT OF PRODUCTION

MEN, DAYS, ACCIDENTS - BY COUNTY - BY MINE

COUNTY MINE	OPERATOR - COMPANY	MEN			DAYS		
		1947	1948	1949	1947	1948	1949
<u>ARCHULETA</u>							
Bellino	Gallegos & Dwight		1	4		50	90
Columbine	Crane, LeRoy R.	1	2	2	198	133	159
Garcia	Garcia, Simon B.		3	2		90	73
Martinez	Gallegos & Dwight			2			16
TOTALS		1	6	10	198	97	87
<u>BOULDER</u>							
Black Diam. #2	Black Diam. Fuel	26	20	24	204	171	193
Centennial	Boulder Valley Coal	143	98		174	97	
Centennial	Centennial Coal		51	53		104	158
Cracker Jack	Allan, Dan & Sons	3	2		72	88	
Cracker Jack #2	" " " "		2	2		131	208
Crown	Russell, Wm.E., Coal	30	29	39	207	190	165
Hillside	Echols Brothers		2			54	
Hi-Way	Louis. -Laf. Coal	100	92	69	214	185	114
Liley	Liley & Merlino	9	8		204	170	
Marshall (York)	Marshall Coal		2			20	
Monarch #2	National Fuel	52				97	
New Gorham	Conda, Wesley	5	5	6	208	233	181
Pittsburg	Pittsburg Coal	3	3	4	201	313	292
Pluto #2	Pluto Coal Mining	15	14	16	180	168	147
Regal	Regal M. Partners	9				92	
South Gorham	Argo Mining	2	3	3	306	287	28
TOTALS		399	329	216	167	182	162
<u>DELTA</u>							
Black Diamond	Black Diam. Fuel	9	13	8	222	238	103
Colorado Strip	Colorado Fuel		2	1		43	58
Delta W	Wolverton, T. S.	1	1	1	84	49	39
Green Valley	Husted & Thomason	5				26	
Green Valley #2	Brooks & Fogg			4			79
Ideal	Bertram & Aldrich	3	2		42	32	
Independent	Independent Fuel	24				112	
King	Juanita Coal & Coke	45	44	46	220	207	186
Paonia Farmers	Paonia Farmers C.	4	5	5	193	132	162
Raven (Fairview)	Lyen, Warren E.	5			106		
Red Canon #1	Patton, Lloyd L.	8	7	5	275	262	252
Red Mountain	Pinkerton, Dewey	5				60	
States	States Coal	6	4	4	151	136	182

PRODUCTION - - ACCIDENTS

1947 - 1948 - 1949

PRODUCTION			ACCIDENTS					
1947	1948	1949	Non-Fatals			Fatal		
			1947	1948	1949	1947	1948	1949
466	49	219						
	570	419						
	414	329						
		11						
466	1,033	978	-	-	-	-	-	-
18,244	14,915	23,221	1	1	2			
110,339	41,504		6	2				
	29,596	48,705		1	2			
823	597							
	1,881	3,611						
35,332	30,837	28,532	4	1	1			
	212							
113,495	93,390	45,414	6	8	3	1		
7,222	7,132					1		
87								
19,706			1					
5,099	3,923	4,670		2	2			
1,417	1,710	1,376						
11,160	9,139	7,382	1					
1,645			1					
690	975	280						
325,259	235,811	163,191	20	15	10	2	-	-
8,000	7,497	5,240						
	1,329	315						
399	210	135						
210		811						
282	206							
7,551								
47,855	48,943	39,787	3	1	1			
4,020	3,621	4,201						
2,708								
9,112	8,544	7,608		1				
558								
5,722	5,218	3,312						

COUNTY	OPERATOR - COMPANY	MEN			DAYS		
		1947	1948	1949	1947	1948	1949
MINE							
<u>DELTA</u> (Contd.)							
Tomahawk(Winton)	Yellico, Gene	10	10	7	196	206	254
Top	States, W. W.	5	6	6	287	289	263
TOTALS		130	94	37	152	159	159
<u>ELBERT</u>							
White Ash	Williamson, R. H.	3	3	3	174	188	175
TOTALS		3	3	3	174	188	175
<u>EL PASO</u>							
Busy Bee	Ausec, Frank	4	3		210	148	
City #4 (Clsd.)	Colo. Springs Coal	32	21	24	236	233	134
Franceville	Franceville Coal	10	8	3	279	259	295
" Strip	" "		5	3		119	189
Pikeview	Pikes Peak Fuel	150	134	111	233	249	206
TOTALS		196	171	141	239	201	206
<u>FREMONT</u>							
Annex	Annex Coal	5	5	4	196	212	211
Beaver Strip	Beavers, Virgil L.	3	2		51	143	
Beer Strip	Beer, Lloyd J.	3	4	3	52	154	98
Black Knight	Black Knight Coal			1			44
Brook Canon	Brook Canon Coal	3	3	3	118	273	181
Brookside #1	Brookside Coal Mfg.	5			47		
Brookside #2	Brookside " "	3	4		82	174	
Caldirola #1	Busetti & Slack	8	6	5	160	134	210
" #2	Caldirola Coal			8			173
Canon Blk. Diam.	Canon Blk. Diam. C.	23	18	14	235	235	211
Canon Chief	Canon Chief Coal	10	10	9	230	210	205
Canon City	Sensintaffar & May	4	4		233	166	
Canon Horseshoe	Can. Horseshoe C.		3	3		10	26
Canon Liberty	Canon Liberty Coal	6	7	6	221	202	188
Can. Monarch #3	Walker Coal		4	4		127	288
Canon National	Canon National Coal	21	23	15	225	190	232
Canon Peacock	Canon Peacock Coal	9			67		
Can. Red Dragon#1	Zamarippa Bros.	2	3		134	41	
Can. " " #2	Williams & Martino		3			20	
Canon Royal	Canon Royal Coal		3	4		61	214
Canon Shamrock	Canon Shamrock C.	4	4	2	243	221	218
Canon Wolf Crk.	Strainer Coal	4	4	4	129	152	187
Canon Zenith	Duca & Verlengia	6	4		186	121	
Canon Zenith #2	Duca, Joseph Z.			2			179
Cedar Canon	Giuliano & Sons C.	34	25	21	191	187	176

PRODUCTION			ACCIDENTS					
1947	1948	1949	Non-Fatals			Fatal		
			1947	1948	1949	1947	1948	1949
17,099	12,800	16,304	2					
7,774	8,566	8,282		1				
111,290	96,934	85,995	5	3	1	-	-	1
1,133	1,171	1,095						
1,133	1,171	1,095	-	-	-	-	-	-
2,636	1,557							
17,666	16,875	7,106	3	1	1			
9,727	7,423	3,700	1					
	2,536	4,540						
184,465	164,979	111,770	9	9	3			1
214,494	193,370	127,116	13	10	4	-	1	-
4,729	5,850	4,110		1				
1,721	3,499					1		
5,502	13,705	5,979						
		34						
1,135	2,712	1,327		1				
976								
463	1,808		1					
9,276	7,234	4,144						
		4,495						
44,926	32,547	32,540	2					
21,877	18,326	13,375		1	1			
2,347	1,850							
	25	110						
5,023	5,504	5,370	1					
	2,370	5,295						
33,865	34,365	27,363						
1,925								
1,438	170							
	260							
	52	1,531		1				
4,448	2,509	1,788			2			
1,556	2,440	2,897						
3,532	1,467							
		877						
34,292	24,578	17,705	2	2	2			

COUNTY	OPERATOR - COMPANY	MEN			DAYS (Av.)		
		1947	1948	1949	1947	1948	1949
MINE							
FREMONT (Contd.)							
Chandler Creek	Griffiths Coal Mng.	23	21	14	214	199	173
Coal Creek Can.	Berardi & Berta		2	3		10	199
Corley #6	Corley	15	27	21	85	227	238
Double Dick	Double Dick Coal	12	11	9	225	208	165
Falgien #1(NuShaft #1)	Falgien Coal	2	2	2	202	198	160
Falgien #2	" "			2			20
Golden Quality #1	Carestia & Fazzino	2				80	
Golden Quality #2	" " "	2	2	2			
Granite #1(Petry)	Zamarippa, Bros.	2				20	
L. & C. (Clstd.)	Lovisone&Colarelli	2				169	
L. & C. #2	" " "			3	4	86	282
Manley	Morris & Vendetti	5	3	4	234	121	208
Midway #1 & #2	Moschetti, T. &Son	2	2	4	75	150	100
Pine Gulch #1	Canon Monarch Coal	26	23	16	228	214	229
Pine Gulch #2	Beer, Lloyd J.		3	2		98	15
Rex Carbon	Cribbs-GoodmanCoal	34	33	25	237	201	66
Rex Carbon	Rex Carbon Coal			8			171
Rockvale #3	C. F. & I. Corp.	91	103	77	216	199	165
Royal Gorge	Royal Gorge Coal	8	5	10	186	106	48
Spring Canon #2	CanonMonarchCoal			3			33
Sunlight	Sunlight Coal		3	5		100	203
Vento	Vento Coal	10	9	14	280	271	235
White Ash #1	Kattnig, Martin	2	2	1	202	166	154
Willie #2	Del Duca, Carl	1	1		117	44	
TOTALS		392	394	334	162	155	171
GARFIELD							
Atlas	Bendetti, Henry	2	1	1	141	24	144
Big Three	Sterns, C. C.	8	5		262	96	
Dalsas	Rogers, Earl W.	2	1		45	45	
Diamond	Diamond Fuel	2	2	2	220	207	206
Harvey Gap	Paolazzi, Clem A.	4	4	2	283	293	232
I. H. I. #2	Haas, Wm. & Son	2	3	3	168	236	224
Monger	Halcumb, Noah H.	3			42		
New Castle	Coles, W. E.	5	6	4	237	309	185
North Canyon	Rifle Coal, Inc.		5	6		175	276
Red Ash	Red Ash Coal		3	3		74	329
Rifle Creek	Moyer & Babcock	2			20		
Rifle Gap	Prendergast, R.			2		60	
Rio Blanco	Cole, Ennis	4	3	2	270	204	119

PRODUCTION			ACCIDENTS					
1947	1948	1949	Non-Fatals			Fatal		
			1947	1948	1949	1947	1948	1949
21,005	16,116	10,559	2	2				
	51	2,999			1			
5,991	36,407	57,192		5				
20,608	18,209	11,053					1	
850	1,135	521						
		167						
430								
769	1,912	2,190			1			
14								
2,814								
	1,184	2,528		1				
3,030	1,937	2,643		1				
320	1,114	1,070						
33,210	27,858	22,817	1	4				1
	1,450	56						
49,950	37,720	9,910	2	1				1
		8,697						
73,996	67,740	51,398	6	5	4			
5,671	2,585	1,255		2				
		484						
	966	2,719			1			
19,338	27,016	24,946		1	3			
494	412	274		1				
500	21							
418,021	405,104	342,418	17	28	16	2	1	1
273	136	341						
13,247	4,482		1					
112	70							
1,368	1,195	954						
3,673	3,803	2,158						
2,021	4,050	4,613		1				
150								
6,015	5,595	5,358		1				
	6,619	13,670			1			
	470	730						
4								
	100							
3,740	2,796	739	1		1			

COUNTY	OPERATOR - COMPANY	MEN			DAYS		
		1947	1948	1949	1947	1948	1949
MINE							
GARFIELD (Contd.)					(Av.)		
So. Canon #1	South Canon Mines	11	11	9	281	267	229
Sunlight	Sunlight Coal	5	5	9	238	226	268
TOTALS		50	51	42	184	170	221
GUNNISON							
Baldwin	Smith, A. G.	2	2	3	42	231	222
Baldwin Star	Hare, James, Jr.	2	2	2	285	273	263
Bear	Bear Coal	51	53	49	224	165	177
Carbon Creek	White, Loren E.		2	2		15	175
Crested Butte	C. F. & I. Corp.	159	155	137	225	202	166
Edwards	Clark Coal	38	38	25	184	135	177
Hawk's Nest	Champion Coal Mfg.	16	16	15	215	170	144
Horace	Horace Anthracite	3	3	3	116	93	136
Kubler	Alpine Fuel	19	19	17	197	156	71
Nu-Mine	Partch Bros.	12	15	17	244	202	213
Ohio Creek	Staples Bros.	3	3	2	289	278	256
Oliver #2	Oliver Coal	50	60	71	216	197	137
" "	Calumet Fuel			73			44
Richardson	Weaver Bros.	3		4	63		55
Somerset	Calumet Fuel	161	159	142	201	200	154
TOTALS		519	527	562	192	178	170
HUERFANO							
Black Beauty	Black Beauty Coal	21	10	5	189	183	227
Butte Valley	Gordon Coal	57	50	29	196	182	183
Caddell #2	Klantchnek, John	3	3	2	179	235	190
Calumet #2	Calumet Fuel	112	109	112	228	203	139
Carbon(Murrell)	Carbon Coal	2			115		
Gordon	Gordon Coal	67	65	45	184	178	176
Kebler #2	C. F. & I. Corp.	145	145	148	200	194	178
Leader #2 & #3	Leader Coal	6	5	6	257	231	179
Loma Park Strip	Park Coal	16	15	22	50	171	138
Maitland	Red Ash Coal	22	18	19	217	189	166
Major #2	Major Coal	17	18	16	225	218	169
Morning Glory	Minnequa Coal	86	87	74	212	192	157
Peaks	Peaks Coal	5	5	5	211	194	177
Pictou	C. F. & I. Corp.	68	66	52	199	189	210
Pryor	Blue Blaze Coal	4	5	5	78	85	149
Pryor #2	Vezzani & Shields						21
Ravenwood	Giordano Coal			3		74	
Rouse	Taylor Coal Mng.	37	26		191	37	

PRODUCTION			ACCIDENTS					
1947	1948	1949	Non-Fatals			Fatals		
			1947	1948	1949	1947	1948	1949
15,960	12,103	8,119	1		5			
7,057	7,449	13,866		1				
53,620	48,868	50,548	3	2	8			
282	1,601	2,130		1	1			
2,749	2,950	2,742		2				
61,204	57,068	50,208	4	5	3			
	85	181						
140,760	125,969	108,900	16	9	6			
46,151	32,842	27,984	2	2	1	1		
26,953	30,124	25,625	1					
1,082	769	902						
9,538	14,820	6,657		1				
14,013	18,701	21,654	1	3	1			
1,912	1,543	1,332		1				
96,928	85,130	63,561	4	4	1			
	21,339							
519	277							
223,000	218,115	159,477	6	10	9			1
625,091	589,717	492,969	34	38	22	1	-	1
10,532	6,815	3,644	3	2	2			1
39,395	30,682	24,448	5	3	3			
1,438	1,619	1,421						
119,532	107,082	80,513	10	6	3			
62								
50,290	49,955	36,406	3	4	2			
117,426	117,201	116,994	10	3	6			
4,758	4,183	3,794	1	1		1		
1,051	56,259	31,342		1				
15,026	12,493	12,549		2	1			
15,179	17,163	14,089		1	4			
92,572	80,584	53,874	2	5	8			
1,645	1,801	1,892						
69,589	60,250	51,444	2	3	1	1		
2,691	2,442	5,421			1			
	125							
	445							
32,367	2,952		2	6		1		

COUNTY	OPERATOR - COMPANY	MEN			DAYS		
		1947	1948	1949	1947	1948	1949
MINE							
<u>HUERFANO</u> (Contd.)							
Rugby #1	Rugby Coal	2	3	5	108	90	200
Rugby #2	" "	3	3	7	108	85	2
Tompkins-Geo. #1	Tompkins-Geo. C. Mg.	2	1		111	20	
TOTALS		675	637	554	171	155	148
<u>JACKSON</u>							
Marr	Barnell, George M.	4	3	4	270	256	240
Moore Strip	North Park Coal	6	8	4	226	176	60
Sudduth	Ferrick, M. L.		1			30	
TOTALS		10	12	8	248	154	150
<u>JEFFERSON</u>							
Capitol (Caprock)	Capitol Fuel	13	10	7	250	237	155
Leyden #3	Leyden Lignite	112	114	86	229	199	195
Rocky Flat	Coors Porcelain	4	5	4	243	301	126
TOTALS		129	129	97	241	245	159
<u>LA PLATA</u>							
Blue Flame	Cason, Vernon		1	2		198	197
Burnwell #2	Burnwell Coal			3			65
Castle	Serroni, Otto	7	5	4	212	244	259
Coal King #2	Henderson, J. B.	4	2	2	214	131	129
Dunn	Dunn, L. F., Jr.	1				46	
Durkan	Durkan, James T.	2	3	2	160	220	100
Ft. Lewis	Dufur, Xavier		2	3		83	154
Hay Gulch #2	Hay Gulch Coal	3	4	4	233	260	304
Hesperus	Hesperus Coal	3	2	3	215	230	257
King	Smith Brothers	3	3	3	235	259	247
Minoletti	Minoletti Brothers	3	4	4	215	247	238
Monarch	Hightchew, Lester	2	2	2	47	65	235
Morning Star	Zelletti, Frank & Nick	4	4	4	240	200	218
O. K.	Bodo & Sarris	2	2	2	193	166	89
Peacock	Peacock Coal	3	3	3	240	262	286
Peerless	Peerless Coal	2	3	3	201	210	204
Soda Springs	Dufur, Xavier	3				31	
Sunshine	Sunshine Coal	3	3	1	147	89	66
Supreme	Serroni, Otto	2				50	
Tipotsch	Boglino, Henry	1	1	1	120	56	99
Triple S.	Snooks, Otis H.	1	2	2	115	115	126
Valley View	Valley View Coal	3	3	3	274	295	240
Victory	Victory Coal	14	14	9	204	179	180
Wright #2	Wright Fuel	3	2	2	100	140	126
TOTALS		69	65	62	166	182	182

PRODUCTION			ACCIDENTS					
1947	1948	1949	Non-Fatals			Fatal		
			1947	1948	1949	1947	1948	1949
295	534	1,453		1				
898	448	65						
446	23							
575,192	552,931	439,474	39	37	31	2	1	1
3,687	3,697	3,533						
39,068	28,324	5,005		1				
	51							
42,755	32,072	8,538	-	1	-	-	-	-
7,073	4,892	5,404	1	1	1			
114,270	101,708	84,584	9	6	10			
795	764	170	1	1				
122,138	107,364	90,158	11	8	11	-	-	-
	1,242	1,428						
		389						
5,682	7,344	6,568		1				
3,060	952	995						
63								
921	651	495						
	288	471						
2,067	3,178	2,593						
971	1,588	1,705						
2,911	4,951	4,093						
2,785	4,810	4,933		1				
455	583	1,889			1			
3,495	3,501	3,326						
781	524	476						
1,637	2,584	4,082						
1,589	3,089	3,489						
52								
1,548	769	166						
83								
645	160	190						
305	678	650						
945	752	482		1				
23,821	13,288	9,442	1	1				
1,791	3,414	1,917						
55,607	54,346	49,779	2	3	2	-	-	-

COUNTY	OPERATOR - COMPANY	MEN			DAYS		
		1947	1948	1949	1947	1948	1949
MINE							
<u>LAS ANIMAS</u>							
Aguilar Blk. Dia.	So. Blk. Diam. C.&Oil	10	10		92	41	
Alfreda	Aragon Coal	2	2		240	11	
Anchor	Eureka Coal	12	12	10	220	146	12
Baldy	Baldy Coal	15	15	13	277	252	198
Bear Canon #6	Bear Canon Coal	47	47	46	249	201	196
Berwind #2	Smith, John	2			123		
Berwind Canyon	Berwind Canyon Coal	5	8	9	213	239	227
Bloom	Trujillo, Joseph C.			2			38
Boncarbo	Am. Smelt. & Refin.	125			72		
Boncarbo (Sept.)	Boncarbo Coal	12	20	12	75	182	56
Brodhead	Brodhead Coal			6			255
Burro Canon #2	Arcuri, Manuel	2			75		
Cook	Taylor Coal Mining	4			32		
Crystal	Bowman, Guillermo	1	1	1	168	108	118
Delagua	Victor-American Fuel	123	122	107	205	194	157
Delagua #5	" " "	4	10	14	215	198	157
Dix	Dick Coal	49			63		
Dutch	Dutch Coal	3			11		
Fairweather	Sanchez, Fred			2			46
Forbes #9	Paradiso Brothers	1	1	4	82	17	40
Forbes #11	Riggs, W. E.	3			39		
Franklin	So. Blk. Diam. C&Oil	5	13	12	160	187	140
Frederick	C. F. & I. Corp.	637	669	643	255	219	195
Frisco #2	Abeyta, Alex	3	2		119	185	
Gem	Guiliano Coal	13	16	15	205	208	185
Gem #2(Peerless)	" "	3			73		
Gilbert #1 & #2	Gilbert, Julio		2	4	272	115	
Grey Creek	Morasky, Joe	3	4	3	275	229	228
Harnish	Tafoya, John	1	2	1	175	174	214
Hot Flame	Hot Flame Coal	4			11		
Jewell-Crestone	Green Canon Coal	7	8	9	195	183	159
Kenneth	Hall Bros. Coal	56	48	59	214	186	44
Lovato	Lovato, John C.	9	5	3	230	142	59
Ludlow	Huerfano Coal	82	99	83	187	188	94
Martinez	Martinez, Rafael	1	1		121	79	
Martorano	Martorano Bros.	3	3	3	279	296	294
Melonas	Melonas Coal	3	4	5	117	213	194
Montoya	Montoya, Leo	1	1		20	66	
Morasky	Morasky, Joe	2			40		

PRODUCTION			ACCIDENTS					
1947	1948	1949	Non-Fatals			Fatal		
			1947	1948	1949	1947	1948	1949
3,440	1,269							
228	33							
7,103	5,598	230	1	1	1			
14,148	14,084	9,024						
52,092	42,085	40,468	3	1	2			
477								
4,654	6,919	6,867		1				
		105						
36,386			5					
3,294	20,129	3,244		2	1			
		3,117						
295								
700								
319	330	369						
100,865	91,654	73,171	13	8	7			
5,914	10,821	10,935		1	1			
14,951			1					
53								
		68						
172	21	150						
168								
2,847	9,557	7,343		2	3			
613,348	543,301	461,042	18	22	9		4	1
463	620							
7,927	10,529	8,929	1	2	3			
500								
	2,762	2,733						
3,233	2,980	2,228		1				
541	706	664						
11								
4,906	5,406	5,084	1	1				
45,333	34,909	8,159	3	1	1		1	
5,258	2,675	765						
60,792	64,290	30,660	4	9	6			
154	65							
1,567	1,656	1,886						
900	2,800	2,788						
50	151							
268								

COUNTY	OPERATOR - COMPANY	MEN			DAYS		
		1947	1948	1949	1947	1948	1949
MINE							
LAS ANIMAS (Cont.)							
Morley	C. F. & I. Corp.	220	235	234	263	209	193
New Mary	Trinidad Brick&Ile	4	7	5	290	280	235
New Primrose	Bisulco, Alex	6	5	4	189	204	168
New Slope	Guadagnoli Bros.	3	3	3	220	218	200
Peacock	Vigil, D. Eloy	4	4	4	111	218	215
Piedmont	Piedmont Coal		3	3		127	265
R. & G.	R. & G. Fuel	2			109		
Rainbow #1	Santistevan, Pete	3	2		22	30	
Rapson	Taylor Coal Mng.	49	59	44	219	216	193
Red Glow	Red Glow Coal		2	2		158	134
St. Lucia	Lucia, Ben		1			120	
Starkville #3	Cimino, Nick	2	2	3	157	170	157
Starkville #4	Iuppa Coal	3	4	3	187	221	230
Starkville #5	Martinez, Toby	3	2	2	102	230	182
Sunrise	Fabec Brothers	4	4	4	280	107	116
Thor	Thor Fuel	25	27		168	65	
Vigil	Vigil, Frank	1	1	1	204	113	119
Viola	Garcia, Louis	3	4	4	249	226	254
White Flame	Ortiz & Mares	3			34		
Z&P(Burro Can.#2)	Z & P Coal		3	3		222	26
TOTALS		1,588	1,495	1,385	153	168	157
MESA							
Blue Flame	Vidmar, Charles	3	3	3	186	170	199
Cameo	Kerr Coal	45	50	41	250	219	205
Coal Gulch	Ward, Roy S.	2	2	3	145	155	131
Corcoran	Ford, Denver			2			62
Farmers Mutual	Shupe & Muender	3	3	3	19	56	120
Farmers Nearing	Steele Brothers	2	1	2	40	140	165
Garfield	Garfield Coal	8	4		43	56	
Gearhart	Hughes & Phillips	6	7	8	271	190	225
Grasso	Lumpkins, Jess L.			1		75	
Hidden Treasure	Hicks, Ernest	1	2	2	223	227	211
Homestead	Queen & Welker			2			150
Hunter	Halcumb, C. O.	2	3	2	220	149	93
Hy-Grade	Johnson & Paterson	4	3	4	251	237	258
McGinley	Eagle Head Coal	3	2	3	181	278	312
Midwest	Hughes, William	4	4	3	49	98	73
Monarch	Clark, Ray	2	2		83	79	
Palisade	Hicks & Son	6	8	7	173	189	176
Riverside	Riverside Farmers	2	3	3	187	126	133

PRODUCTION			ACCIDENTS					
1947	1948	1949	Non-Fatals			Fatal		
			1947	1948	1949	1947	1948	1949
219,469	187,060	162,100	14	10	15			
618	778	509						
3,047	2,287	1,372			1	2		
1,999	1,941	1,868						
1,350	2,358	4,453				1		
	952	2,146				1	1	
494								
70	136							
62,150	65,850	34,101	7	8	5			
	663	653						
	98							
997	964	830						
1,477	2,159	1,507				1	1	
514	1,190	949						
962	1,538	2,379						
15,277	6,955		6					1
	156	137	119					
1,428	1,968	2,315						
279								
	1,163	133						
1,303,644	1,153,547	895,463	77	73	59	5	2	1
2,385	2,174	2,415						
80,002	73,537	63,375	5	2	4			1
991	1,132	900						
	256							
41	169	546						
200	497	959						
1,161	410		1					
4,065	4,756	5,072				1		
	100							
1,053	996	1,158						
	190							
827	986	354						
2,056	2,213	2,471				1		
1,214	3,035	2,873						
248	918	184				1		
429	331							
2,425	4,796	4,236				1		
1,238	895	1,270						

COUNTY	OPERATOR - COMPANY	M E N			D A Y S		
		1947	1948	1949	1947	1948	1949
MINE							
MESA (Cont.)							
Riverview	Supancic, Louis	4	3	5	179	210	156
Thomas	Thomas Coal	3	7	6	271	170	182
Winger	Winger Coal	5	4	3	125	178	225
TOTALS		105	112	101	161	158	171
MOFFAT							
James	James Coal	3	4	5	160	236	127
Knez	Knez, Joe L.	6	5	3	228	210	177
Les-Ash	Rangely Coal	2	2	2	52	87	55
Red Wing	Colowyo Coal	33	37	37	193	202	171
Streeter	Domestic Coal	15	18	16	226	223	202
Wise Hill #2	D & N Coal	2	2	3	200	248	150
Yampa Valley	Yampa Valley Coal	4		73			
TOTALS		65	68	66	162	201	147
MONTEZUMA							
Cherry Creek	Richardson, E. D.	2	2	1	103	61	26
Lakeview	Glover, N.R. & G. R.	1			197		
Mancos	Mancos Coal	1	1	2	166	97	46
Montezuma	Wilson, Glen E.	2	3		198	156	
Montezuma #2	" " "		2	3		115	251
Summit Ridge	Phelps, J. W., Jr.	1			8		
Willden #2	Fitzgerald, Chas.	2	3		145	34	
TOTALS		9	11	6	136	93	108
MONTROSE							
Cimarron	Collins & Roatcap		4	2		77	177
Fiddling Bill	Vanadium Corp. of A.	7	9	10	167	240	200
Independence	Nix, Ammon E.	2	2	2	181	231	232
Liberty Bell	U. S. Vandadium Corp.			10			48
Sunshine	Nix & Nix	2	2		249	69	
TOTALS		11	17	24	199	154	104
OURAY							
Columbine	Lowery, Ray	1			72		
TOTALS		1			72		
PITKIN							
Placita	Holgate, Howard	1	2	4	175	200	243
TOTALS		1	2	4	175	200	243
RIO BLANCO							
Blue Streak	Taylor Coal Mng.	3	4	9	132	98	165
Hart (Gentry)	" " "	3	4		88	84	
Little Joe	Main, Kenneth R.	1	3	2	283	97	12
Mt. Quaker (Hart)	" " "			2			35

PRODUCTION			ACCIDENTS					
1947	1948	1949	Non-Fatals			Fatal		
			1947	1948	1949	1947	1948	1949
3,357	3,544	4,391						
487	2,534	1,131	1					
4,460	2,453	3,088			1			
106,639	105,476	94,869	7	2	9	-	1	-
1,890	2,486	1,688						
6,122	2,752	2,134			1			
371	575	315						
81,838	83,510	72,231	8	5	5			
52,997	52,835	36,653			2			1
150	2,704	1,050						
812								
144,180	144,862	114,071	8	5	8	-	1	-
236	160	91						
94								
462	297	209						
672	537							
	418	1,295						
15								
835	186							
2,314	1,598	1,595	-	-	-	-	-	-
	137	249						
7,800	12,285	11,857						1
974	1,464	1,868						
		1,419						
1,149	428							
9,923	14,314	15,393	-	-	-	-	-	1
500								
500			-	-	-	-	-	-
563	890	4,327			1			
563	890	4,327	-	-	1	-	-	-
1,120	2,519	15,736						
1,609	1,924							
354	970	180						
		130						

COUNTY	OPERATOR - COMPANY	MEN			DAYS		
		1947	1948	1949	1947	1948	1949
MINE							
<u>RIO BLANCO(Cont.)</u>							
Rector	West, H. O.	2	2	3	75	113	61
Rienau	Jenkins & Mathis	3	3	3	178	294	300
White River	White River Fuel	8	7	9	296	269	237
TOTALS		20	23	28	175	159	135
<u>ROUTT</u>							
Apex	Boscia Coal	4	5	4	177	180	149
Black Dan Strip	Black Dan Coal	19	16		137	141	
Block	Gould, Frank		1	3		83	105
Blue Spruce	Blue Spruce Coal	2	3		140	60	
Crow Bar	Dry Creek Coal	17	20	15	151	166	147
Dixie	Rolfes & Conda	1		3	20		20
Dixie #2	Dixie Coal & Oil	1			30		
Edna Strip	Edna Coal	54	59	52	180	189	146
Frank's	Jakovac, Frank	2	2	1	338	136	197
Harris	Colo. & Utah Coal	174	181	172	207	221	174
Hayden #4	Hayden Coal	106	97	97	192	133	132
Johnnie's	Mathews, John	2	2	1	240	172	128
Keystone	Keystone Coal	110	106	101	195	149	166
McNeil	McNeil Coal Corp.	10			77		
Middle Creek	Middle Creek Coal	5	3		200	24	
Moffat #3	Moffat Coal	127	121	176	189	148	96
Osage Strip	Osage Coal			10			160
Pinnacle	Victor-American Fuel	131	127	117	186	137	36
Ramsay #1	Ramsay Coal	6	4		141	20	
Rice	U. S. Coal Corp.	12	6	7	181	181	51
Rice	Rice Coal			10			63
Routt-Curtis	Routt-Curtis Coal	5	3		292	123	
Seven Crown Str.	Seven Crown Coal		4	10		65	43
Sleepy Cat	Sleepy Cat Op.	10	4	5	125	35	14
Sun	Barton, Thomas E.	2	2	3	196	214	291
Wadge	Victor-American Fuel	112	100	80	166	128	139
TOTALS		912	866	867	171	129	125
<u>SAN MIGUEL</u>							
Crisp	Bankston, Vernon	2			66		
Keck-Reliance	Keck, Wm. R.	1		2	120		80
TOTALS		3		2	93		80

PRODUCTION			ACCIDENTS					
1947	1948	1949	Non-Fatals			Fatal		
			1947	1948	1949	1947	1948	1949
200	646	186						
1,946	6,091	7,124			1			
9,948	10,875	10,790	3					
15,177	23,025	34,146	3	-	1	-	-	-
4,051	3,646	3,295						
41,926	35,171		1	1				
	259	475						
389	338							
22,628	25,462	22,482	3	2	2			
114		185						
120								
154,318	172,447	135,591	1	1				
352	501	444						
253,673	290,507	233,265	10	5	2			1
124,603	90,633	88,708	13	5	6			
760	786	442						
112,943	103,688	101,174	5	4	3	1		1
3,295			1					
4,271	478							
86,223	70,453	35,145	15	6	4			1
		42,839			1			
92,584	69,163	15,888	22	12	2			
6,175	379							
9,937	7,604	836	3	1				
		3,812						
669	314							
	165	2,855						
5,500	170	786		1				1
631	1,152	1,480						
96,335	69,538	55,782	7	9	7			
1,021,497	942,854	745,484	81	47	27	1	1	3
51								
191	228							
242	228		-	-	-	-	-	-

COUNTY	OPERATOR - COMPANY	MEN			DAYS		
		1947	1948	1949	1947	1948	1949
<u>MINE</u>							
<u>WELD</u>							
Baum	Consolidated C&C	71	58	47	209	207	153
Bo. Valley #3	Boulder Valley C.	89	86	59	236	189	190
Eagle	National Fuel	107			148		
" (Nov. '49)	Imperial Coal	133	111	99	48	204	153
Erie Strip	Erie Coal		9	18		2	60
Graden	Graden Coal	58	48	36	214	159	125
Imperial	Imperial Coal	88	75	93	200	137	113
Lincoln	Clayton Coal						
Morrison	Clayton Coal	70	77	72	236	178	148
Russell (Clsd.)	Russell, Wm. E., C.	10			152		
Shamrock	Shamrock Coal	67	55	50	166	134	53
Sterling	McNeil Coal Corp.	69	57	49	206	175	143
Washington	Clayton Coal	103	103	105	247	224	171
TOTALS		865	679	628	206	161	139
GRAND TOTALS		6,153	5,691	5,227	169	162	160

PRODUCTION			ACCIDENTS					
1947	1948	1949	Non-Fatals			Fatal		
			1947	1948	1949	1947	1948	1949
118,148	96,890	65,770	3	2	2			
155,636	124,415	87,230	4	5	2			
129,693			8					
45,285	183,206	180,760		7	6			
	243	14,792						
78,861	56,800	45,326	3	5	4	1		
161,563	114,331	85,607	4	3	7			
	Dev. Work				2			
110,337	107,322	91,220	5	3	1			2
8,734			1					
71,412	46,551	20,609	2	3				
83,810	60,369	50,047	4	5	4			
267,792	187,147	181,656	8	3	5			
1,231,271	977,274	823,017	42	36	33	1	-	2
6,381,016	5,682,561	4,580,852	362	308	243	14	8	11

COAL SHIPMENT AND DISPOSAL

1949

COUNTY	TOTAL TONNAGE	RAILROAD	TRUCK	HEAT, ETC.	OUT OF STATE
Archuleta	978		978		
Boulder	163,191	27,336	135,249	606	
Delta	85,995	55,171	29,765	1,059	8,695
Elbert	1,095		1,095		
El Paso	127,116	24,614	77,333	25,169	
Fremont	342,418	75,819	266,482	117	23,466
Garfield	50,548	11,407	39,091	50	172
Gunnison	492,969	418,649	52,346	21,974	130,228
Huerfano	439,474	342,978	89,990	6,506	73,260
Jackson	8,538	3,285	5,253		334
Jefferson	90,158	74,391	14,992	775	
La Plata	49,779	13,870	35,859	50	13
Las Animas	895,463	823,177	58,418	13,868	7,284
Mesa	94,869	63,005	31,382	482	2,000
Moffat	114,071	93,973	20,098		51,218
Montezuma	1,595		1,595		
Montrose	15,393		15,359	34	
Pitkin	4,327		4,327		
Rio Blanco	34,146	20,966	13,117	63	16,894
Routt	745,484	678,131	43,101	24,252	331,078
San Miguel	228		228		
Weld	823,017	538,376	273,488	11,153	11,723
Totals	4,580,852	3,265,148	1,209,546	106,158	656,365

NOTE: This revised table includes additional tonnage not contained in the Annual Report for 1949, and a deduction in a corrected report from the Graden Mine in Weld County.

SIZES, GRADES, BY COUNTY

1949

MINE RUN	LUMP	EGG	OTHER GRADES	NUT	PEA	SLACK
558	324					18
396	23, 935	29, 952	1, 438	6, 973	78	91, 072
692	23, 328	11, 803	2, 282	15, 762	9, 425	30, 770
	738			167	1, 358	68
4, 571	12, 541	8, 780	6, 324	9, 648	122	84, 606
99, 928	80, 931	3, 455	6, 062	29, 101	646	91, 028
6, 727	8, 268		264	2, 786	31, 913	32, 289
203, 539	83, 681	86	32, 077	35, 370	214	134, 501
92, 148	57, 081	1, 307	101, 613	14, 871	3, 715	170, 321
5, 708	291				2, 133	2, 539
63, 576	3, 379	2, 383	2, 916	162		15, 326
29, 311	9, 884	98	1, 011	655	2, 416	7, 785
171, 064	24, 898	.	6, 765	7, 224	1, 035	685, 282
23, 059	17, 034	208	1, 173	3, 895	230	48, 636
455	44, 191	11, 252	6, 047	6, 458	864	41, 364
310	756				4, 304	529
13, 457	1, 327		211	68		130
736					200	3, 591
5, 144	7, 770	257	4, 161	3, 780		12, 438
5, 002	195, 427	1, 327	125, 268	105, 548	596	267, 787
228					45, 125	
1, 326	179, 512	98, 251	1, 500	3, 841	58, 725	479, 862
727, 935	775, 296	169, 159	299, 112	246, 309	163, 099	2, 199, 942



MECHANICAL LOADING

COUNTY	Shaker Type	MECHANICAL LOADERS								TONS OF COAL TOTALLY LOADED BY MECHANICAL DEVICES (No hand labor)	
		Chain Conveyors		Room Length	Longwall	Mainline - Chain-Belt	Mobile		Power Shovels		
		Short Face	Track				Caterpillar				
Archuleta	-	-	-	-	-	-	-	-	-	---	
Boulder	37	-	-	-	-	-	4	-	-	14,831	
Delta	2	-	1	-	-	1	-	-	-	12,988	
Elbert	-	-	-	-	-	-	-	-	-	---	
El Paso	3	-	-	-	-	2	-	-	-	83,669	
Fremont	46	5	12	1	1	1	3	-	1	87,700	
Garfield	1	-	-	-	-	1	-	-	-	---	
Gunnison	18	-	-	-	2	-	8	-	-	264,025	
Huerfano	26	3	6	-	1	-	-	-	-	88,455	
Jackson	-	-	-	-	-	-	-	-	-	---	
Jefferson	5	-	-	-	-	-	-	-	-	64,681	
La Plata	1	-	-	-	-	-	-	-	-	---	
Las Animas	36	2	5	-	1	-	-	2	-	---	
Mesa	10	-	-	-	-	-	-	-	-	63,375	
Moffat	4	-	-	-	-	-	4	-	-	109,684	
Montezuma	-	-	-	-	-	-	-	-	-	---	
Montrose	-	-	-	-	-	-	-	-	-	---	
Pitkin	-	-	-	-	-	-	-	-	-	---	
Rio Blanco	8	-	2	-	-	-	3	-	1	21,002	
Routt	65	1	22	-	-	-	4	-	2	454,589	
San Miguel	-	-	-	-	-	-	-	-	-	---	
Weld	38	-	-	-	-	-	10	1	11	590,913	
TOTALS	300	11	48	1	5	5	36	3	15	1,855,912	

Baum Mine, Weld County - 1 Continuous Miner - 65,770 Tons

TONS OF COAL HAND LOADED ONTO MECHANICAL DEVICES	MINING MACHINERY						TOTAL TONNAGE
	Undercutting	Electric Shearing	Combination Undercutting and Electric Shearing	Electric Drills	Compressed Air Cutting Machines	Compressed Air Drills	
---	-	-	-	-	-	-	978
142,117	43	-	-	46	-	-	163,191
5,240	9	-	2	8	1	3	85,995
---	1	-	-	1	-	-	1,095
6,558	10	-	-	8	-	-	127,116
208,531	69	-	-	65	-	-	342,418
4,286	2	-	-	4	-	4	50,548
92,573	44	1	2	40	-	5	492,963
181,430	60	-	-	43	-	5	439,474
---	1	-	-	1	-	-	8,538
---	9	-	-	10	-	-	90,158
9,442	6	-	-	6	-	-	49,779
183,204	47	-	-	43	1	14	895,463
16,549	19	-	-	17	-	-	94,869
---	6	1	4	10	-	4	114,071
---	-	-	-	-	-	-	1,595
---	1	-	-	10	-	-	15,393
---	-	-	-	1	-	-	4,327
5,900	12	-	-	10	-	-	34,146
98,980	89	1	-	73	-	4	745,484
---	1	-	-	-	-	-	228
119,890	69	1	1	79	-	-	823,017
1,074,700	498	4	9	475	2	39	4,580,852

FATAL ACCIDENTS IN 1947

DATE	NAME	COMPANY	MINE	COUNTY	CAUSE
1-20	C. J. Chavez	C. F. & I. Corp.	Frederick	Las Animas	Jack pipes
2- 4	John Federico	Taylor C. Mining	Rouse	Huerfano	Roof fall
2-20	Fernando De Soto	C. F. & I. Corp.	Pictou	Huerfano	Roof fall
5- 8	Lee Duran	C. F. & I. Corp.	Frederick	Las Animas	Haulage
5-10	John A. Boday	C. F. & I. Corp.	Frederick	Las Animas	Roof fall
6-10	Tony Santarelli	Double Dick Coal	Double Dick	Fremont	Haulage
7-11	Robert Dennison	Hall Bros. Coal	Kenneth	Las Animas	Fall-surface
7-29	Ignatz Flake	Graden Coal	Graden	Weld	Electricity
8- 4	Joe Troyer	Clark Coal	Edwards	Gunnison	Electricity
9- 6	J. D. Guarero	Keystone Coal	Keystone	Routt	Rib fall
10- 8	Louis Merlino	Liley & Merlino	Liley	Boulder	Haulage
10-17	John Romano	Louisville-Lafayette	Hi-Way	Boulder	Haulage
11- 8	Tony J. Moschetti	Tony J. Moschetti	Below Beaver	Fremont	Bulldozer fell
		Strip	Strip		from Strip Mine
12-31	Peter Vigil	C. F. & I. Corp.	Frederick	Las Animas	Haulage

NOT CHARGED TO INDUSTRY

2- 4	Pablo P. Reyes	Huerfano Coal	Ludlow	Las Animas	Heart failure
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FATAL ACCIDENTS IN 1948

DATE	NAME	COMPANY	MINE	COUNTY	CAUSE
1-10	Sabino Bueno	Thor Fuel	Thor	Las Animas	Haulage-Surface
1-22	Pete Guzzo	Leader Coal	Leader #2	Huerfano	Fall of face
1-22	John Endicott	C. F. & I. Corp.	Frederick	Las Animas	Haulage
2- 5	William F. Welker	Domestic Coal	Streeter	Moffat	Machinery
3- 8	Carl W. Thompson	Kerr Coal	Cameo	Mesa	Roof fall
5-26	Alfred P. Montoya	Moffat Coal	Moffat #3	Routt	Fall of face
10-22	R. Bruce Prator	Cribbs-Goodman	Rex Carbon	Fremont	Machinery
12-27	Wallace Anderson	Pikes Peak Fuel	Pikeview	El Paso	Asphyxiation

NOT CHARGED TO THE INDUSTRY

2- 9 John F. Zak

Heart failure

Gunnison

Edwards

FATAL ACCIDENTS IN 1949

1- 3	Victor Gonzales	Canon Monarch Coal	Pine Gulch	Fremont	Electricity
1- 8	Camilio Lucero	Keystone Coal	Keystone	Routt	Roof fall
2- 7	Joe T. Rametti	Calumet Fuel	Somerset	Gunnison	Haulage
2-25	John H. Muney	Colorado & Utah Coal	Harris	Routt	Haulage
2-27	Henry Betz	Clayton Coal	Morrison	Weld	Haulage
6- 9	Harold S. Stukey	Clayton Coal	Morrison	Weld	Haulage
6-29	Merril C. Miller	Vanadium Corp. of America	Fiddling Bill	Montrose	Roof fall
11-11	Victor Duran	Black Beauty Coal	Black Beauty	Huerfano	Roof fall
11-17	Edward Lorenzen	Red Canon Coal	Red Canon #1	Delta	Roof fall
12-11	Norman N. Smith	Lynn & Smith	Sleepy Cat	Routt	Machinery on surface
12-27	Gilbert Royball	C. F. & I. Corp.	Frederick	Las Animas	Roof fall

Successful Candidates in Examination for Coal Mine Officials-1948

<u>MINE FOREMAN</u>	<u>FIRE BOSS</u>	<u>Additional Rating After Fire Boss Experience</u>
Alexander, W. L.	Allan, Eston R.	
Amedei, Tony	Browning, Steve J.	
Anderson, Carl L.	Byouk, Anton J.	
Boben, Frank W. *	Carter, Carl L.	
Borgeson, R. L.	Cunico, Angelo N.	
Charlesworth, A. D.	Dhiux, William *	
Christensen, C. M.*	DiGiacomo, A. A. *	
Coll, Henry A. *	D'Orazio, Joe E.	
Gonzales, H. J.	Echols, Robert N.	
Jackson, Lewis R.	Feil, David M.	
Kerr, Wilford M.	Fogg, Lynden H.	
Kilpatrick, James	Ford, Denver T.	
Leonard, Francis S.	Gasper, Carl J.	
Luoma, William O.	Gibson, James R.	
Mangino, Tony	Gift, Kenneth E.	
Mark, Thomas R.	Gonzales, Daniel O.	
Nix, Raymond *	Gurule, Joe	Assistant Mine Foreman
Parker, Thomas M.*	Harris, William H.	Assistant Mine Foreman
Tidwell, William R.	Hartgraves, Ovie C.	
Van Natter, Percy C.	Harvey, James R.	
Vinson, James	Hoffmire, Albert *	
Wagstaff, Melvin E.	Holland, James H.	
Wist, Eugene A.	Husler, William T.	
	Hutchins, F. A.	
<u>ASST. MINE FOREMAN</u>	Irwin James W.	
Balek, Frank	Jennings, Wesley D. *	
Bear, Charles E.	Jones, Neil A. *	Assistant Mine Foreman
DiGiacomo, Tony *	Kissell, Edward W. *	
Duffy, Raymond A.*	Klemenic, Lewis L.	
Givens, George A.	Lawley, Norwood J.	
Hale, Floyd W.	Logan, George A.	
Kocjancic, Adolph	MacPherson, John *	
Kyle, Lynne B.	Martinez, Jose T.	
Martinez, Mel.	May, Harvey E. *	
Mihevc, Frank J., Jr.*	Meredith, John W. *	
Roope, William E. *	Miklauz, Henry *	
Sandoval, Alphonso	Modica, August	
Stadjuhar, R. F.	Moschetti, Nick J. *	
Villani, Thomas D.	Moser, Ben *	
Voytilla, George	Navarette, Tony E.	
Weaver, William A.	Neish, William J.	
	Nicholas, Mathew	
		Assistant Mine Foreman

*Held for first aid

<u>FIRE BOSS (Cont.)</u>		<u>Additional Rating after Fire Boss Experience</u>
Nix, Ammon E.	*	Assistant Mine Foreman
Nunez, Ralph L.		Mine Foreman
Organ, Morris F.		
Plumleigh, Hubert		
Plutt, Joseph R.	*	Assistant Mine Foreman
Pokas, Tom J.	*	Assistant Mine Foreman
Prewitt, Shirl B.		
Richardson, G. E.		
Rogers, Joe M.	*	Assistant Mine Foreman
Sabo, Charles		Mine Foreman
Sahm, Donald E.	*	Assistant Mine Foreman
Sanchez, Fred		
Silva, Frank J.		Mine Foreman
States, W. W.	*	Assistant Mine Foreman
Sterns, C. C.	*	Mine Foreman
Taylor, Frank M.		Assistant Mine Foreman
Thompson, General J.	*	
Toner, Louis		Mine Foreman
Vento, Dominic	*	
Vidmar, Mike		
Vigil, D. Eloy		Assistant Mine Foreman
Vinson, Clifford		Assistant Mine Foreman
Volturo, Tony S.		
Wilkinson, Otis		
Williams, Jack M.		Assistant Mine Foreman
Wilson, Johnny		
Zeilinger, John		Assistant Mine Foreman



MINE FOREMAN CERTIFICATES ISSUED - RECIPROCITY WITH WYOMING

Baily, John E.
 Owens, Gomer L.
 Reese, Jack

Thirty certificates were held for first aid training. There was very little activity in safety work or first aid training at the mines during this period, with the exception of the C.F. & I. mines. The State-wide first aid contests held since 1938, open to all industry, were discontinued indefinitely by the State Industrial Commission in 1948. The only coal mining teams entering the contests during the last few years were from the Frederick Mine in Las Animas County.

